

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

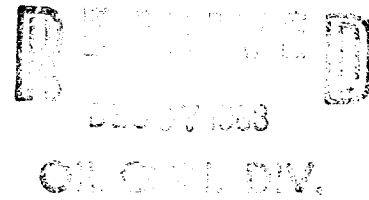
1a. TYPE OF WORK DRILL ☒ DEEPEN ☐ PLUG BACK ☐		5. LEASE DESIGNATION AND SERIAL NO. SF-078201A	
b. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER ☐		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Meridian Oil Inc.		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR PO Box 4289, Farmington, NM 87499		8. FARM OR LEASE NAME Riddle A	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1560' N, 1545' E At proposed prod. zone 15		9. WELL NO. 717	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 11 miles from Blanco, NM		10. FIELD AND POOL OR WILDCAT Basin Fruitland Coal	
13. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 1545'		11. SEC., T., R., M. OR B.L. AND SURVEY OR AREA Sec. 1, T-29-N, R-09-W NMPM 6	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 500'		12. COUNTY OR PARISH 13. STATE San Juan NM	
16. NO. OF ACRES IN LEASE 972.05		17. NO. OF ACRES ASSIGNED TO THIS WELL E 332.05 308.68	
19. PROPOSED DEPTH 3064'		20. ROTARY OR CABLE TOOL Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6411' GL		22. APPROX. DATE WORK WILL START*	
23. PROPOSED CASING AND CEMENTING PROGRAM DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS". This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4.			
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH
12 1/4"	9 5/8"	32.3#	200'
8 3/4"	7"	20.0#	2845'
6 1/4"	5 1/2" liner	15.5#	3064'
QUANTITY OF CEMENT			
125 cf. circulated			
271 cf. circ. surface			
do not cement			

The Fruitland coal formation will be completed.

A 3000 psi WP and 6000 psi test double gate preventer equipped with blind and pipe rams will be used for blow out prevention on this well.

This gas is dedicated.

The E/2 of Section 1 is dedicated to this well.



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED James Bradfield TITLE Regulatory Affairs DATE 11-29-88

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

All distances must be from the outer boundaries of the Section.

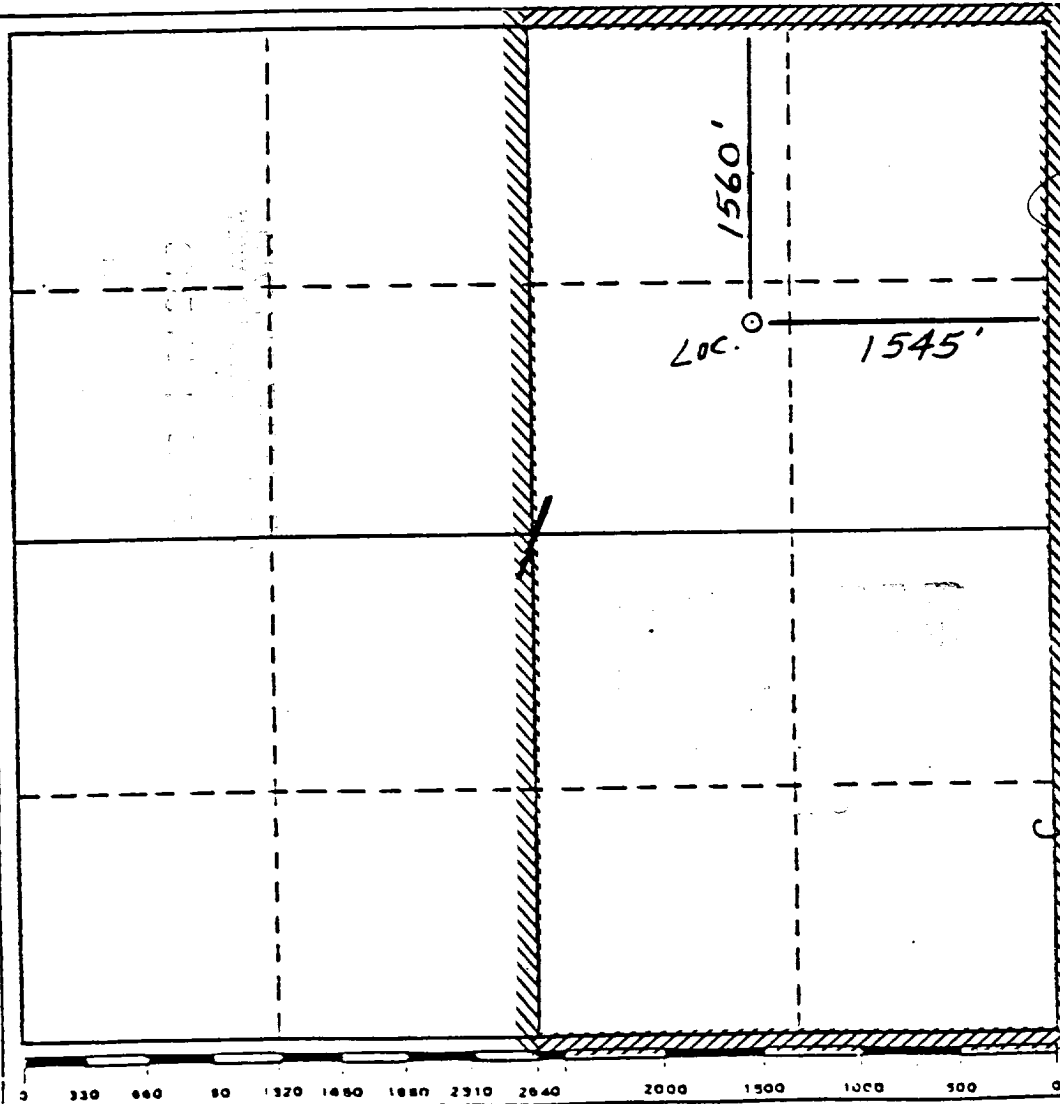
Operator Meridian Oil Inc.		Lease Riddle "A" (SF-078201A)		Well No. 717
Unit Letter G	Section 1	Township 29 North	Range 9 West	County San Juan
Actual Footage Location of Wells 1560 feet from the North line and 1545 feet from the East line				
Ground Level Elev. 5411	Producing Formation Fruitland Coal	Pool Basin	Dedicated Acreage: 32.05308.68 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, 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 communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division



CERTIFICATION

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

[Signature]
Name

Regulatory Affairs

Position
Meridian Oil Inc.

Company
11-30-88

Date

I hereby certify that the 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 knowledge and belief.

Date Surveyed
10-9-88

Registered Professional Engineer and/or Land Surveyor

Peale C. Edwards

Certificate No.
6857

9-N
9-W

DITCH

JUAN

RIDDLE A 717

35
CITIZENS

36

SAN

Malpais Point

T-29N

511

2

6

6356

2

6358

Marzanares

12

Canyon 11

5975

6028

6079

6150

6022

6432

6374

6366

6395

6433

6430

6450

14

6443

13

M

18

A

6443

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

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—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER ☐	5. LEASE DESIGNATION AND SERIAL NO. SF-078201A
2. NAME OF OPERATOR Meridian Oil Inc.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR Post Office Box 4289, Farmington, NM 87499	7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1560'N, 1545'E	8. FARM OR LEASE NAME Riddle A
14. PERMIT NO.	9. WELL NO. 717
15. ELEVATIONS (Show whether OF, RT, OR, etc.) 6411'GL	10. FIELD AND POOL, OR WILDCAT Basin Fruitland Coal
	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 01, T-29-N, R-09-W N.M.P.M.
	12. COUNTY OR PARISH San Juan
	13. STATE NM

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐	PULL OR ALTER CASING ☐
FRACTURE TREAT ☐	MULTIPLE COMPLETION ☐
SHOOT OR ACIDIZE ☐	ABANDON* ☐
REPAIR WELL ☐	CHANGE PLANS ☐
(Other) ☐	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐	REPAIRING WELL ☐
FRACTURE TREATMENT ☐	ALTERING CASING ☐
SHOOTING OR ACIDIZING ☐	ABANDONMENT* ☐
(Other) ☐	Spud Well ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

12-09-88 Spudded well at 2:00 pm 12-09-88. Drilled to 225'. Ran 5 jts. 9 5/8", 32.3#, H-40 surface casing set at 225'. Cemented with 150 sks. Class "B" with 1/4#/sk. gel-flake and 3% calcium chloride (177 cu.ft.). circulated to surface. WOC 12 hrs. Tested 600#/30 minutes, held ok.

12-12-88 TD 3081'. Ran 72 jts. 7", 20.0#, K-55 intermediate casing, 3069' set @ 3081'. Cemented with 450 sks. Class "B" 65/35 with 6% gel, 2% calcium chloride, 1/2 cu.ft. perlite/sx (869 cu.ft.) followed by 100 sx. Class "B" with 2% calcium chloride (118 cu.ft.). WOC 12 hours. Held 1200#/30 min. Circulated to surface.

RECEIVED
MAIL ROOM
DEC 19 PH 2:21
FARMINGTON RESOURCE AREA
FARMINGTON, NEW MEXICO

RECEIVED
DEC 22 1988
DIV

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE Regulatory Affairs DATE 12-16-88

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

NEW 900

ACCEPTED FOR RECORD

DEC 20 1988

*See Instructions on Reverse Side

FARMINGTON RESOURCE AREA

BY [Signature]

DEVIATION REPORT

Name of Company		Address			
Meridian Oil Inc.		P.O. Box 4289, Farmington, NM 87499			
Lease	Well No.	Unit Letter	Section	Township	Range
Riddle A	717	G	1	29	09
Pool			County		
Basin Fruitland Coal			San Juan		

Depth (Ft.)

228'
934'
1508'
2042'
2628'
3081'

Deviation (Degrees)

3/4°
1 1/4°
1 1/4°
1 1/2°
1 1/2°
1 3/4°

RECEIVED

MAY 1 0 1989

OIL CON. DIV.
DIST. 3

I, the undersigned, certify that I, acting in my capacity as Petroleum Engineer of Meridian Oil Inc., am authorized by said Company to make this report; and that this report was prepared by me or under my supervision and directions and that the facts stated herein are true to the best of my knowledge and belief.

[Signature]

Subscribed and sworn to before me this 19th day of January, 1989

[Signature]

Notary Public in and for San Juan County, New Mexico
My Commission expires August 17, 1992

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)

Form approved, S
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other _____		12. COUNTY OR PARISH San Juan		13. STATE NM	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ REPERFORATE ☐ Other _____		10. FIELD AND POOL, OR WILDCAT Basin Fruitland Coal		11. SEC. T. R. M. OR BLOCK AND SURVEY OR AREA Sec. 1, T-29-N, R-9-W NMPM	
2. NAME OF OPERATOR Meridian Oil Inc.		9. WELL NO. 717		14. PERMIT NO. _____ DATE ISSUED _____	
3. ADDRESS OF OPERATOR PO Box 4289, Farmington, NM 87499		15. DATE SPUDDED 12-9-88		16. DATE T.D. REACHED 12-11-88	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 1560'N, 1545'E At top prod. interval reported below At total depth		17. DATE COMPL. (Ready to prod.) 12-21-88		18. ELEVATIONS (OF RMB. AT, OR, ETC.) 6411'GL	
19. ELEV. CASINGHEAD 6411'GL		20. TOTAL DEPTH, MD & TVD 3081'		21. PLUG BACK T.D., MD & TVD	
22. IF MULTIPLE COMPL., HOW MANY? 1		23. INTERVALS DRILLED BY Rotary Tools Yes		24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD) Fruitland Coal (2895-3040')	
25. TYPE ELECTRIC AND OTHER LOGS RUN DIL/FDC/HRL/CNL/NGT		26. WAS DIRECTIONAL SURVEY MADE No		27. WAS WELL CORRED no	
28. CASING RECORD (Report all strings set in well)					
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)	
9 5/8"		32.3#		225'	
7 "		20.0#		3081'	
HOLE SIZE		12 1/4"		177 cu.ft.	
8 3/4"		937 cu.ft.			
29. LINER RECORD					
SIZE		TOP (MD)		BOTTOM (MD)	
none					
30. TUBING RECORD					
SIZE		DEPTH SET (MD)		PACKER SET (MD)	
2 3/8"		3031'			
31. PERFORATION RECORD (Interval, size and number)					
2895-2900', 2903-10', 2928-34', 2937-44', 2960-63', 2970-73', 3012-15', 3017-21', 3035-40' w/2 spf					
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.					
DEPTH (INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED			
2895-3040'		121,198#sand; 92,781 gal. fluid			
33. PRODUCTION					
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)		WELL STATUS (Producing or shut-in)	
Shut-in waiting on pipeline connection, capable of commercial hydrocarbon prod					
DATE OF TEST		HOURS TESTED		CHOKE SIZE	
SI 238		SI 560			
FLOW, TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) To be sold					
35. LIST OF ATTACHMENTS none					
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records					
SIGNED _____		TITLE Regulatory Affairs		DATE 5-9-89	

*(See Instructions and Spaces for Additional Data on Reverse Side)

NMOOD

37. SUMMARY OF POROUS ZONES (Show all important zones of porosity and contents thereof, cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);

38. GEOLOGIC MARKERS				
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME
				MEAS. DEPTH
Ojo Alamo	1928'	2078'	White, cr-gr ss..	
Kirtland	2078'	2720'	Gry sh interbedded w/tight, gry, fine-gr ss.	
Fruitland	2720'	3054'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Ojo Alamo Kirtland Fruitland Pic.Cliffs
Pictured Cliffs	3054'	3081'	Bn-Gry, fine grn, tight ss.	1928' 2078' 2720' 3054'

TRUE
VERT DEPTH