

DATE IN 7/1/02	SUSPENSE 7/21/02	ENGINEER MS	LOGGED IN KV	TYPE NSL	APP NO. 218446886
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
 - Engineering Bureau -
 1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Simultaneous Dedication
☒ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

[D] Other: Specify HORIZONTAL WELLBORE

[2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or Does Not Apply

[A] ☐ Working, Royalty or Overriding Royalty Interest Owners

[B] ☐ Offset Operators, Leaseholders or Surface Owner

[C] ☐ Application is One Which Requires Published Legal Notice

[D] ☐ Notification and/or Concurrent Approval by BLM or SLO
 U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] ☐ For all of the above. Proof of Notification or Publication is Attached, and/or,

[F] ☐ Waivers are Attached

[3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

WILLIAM F. CARR
 Print or Type Name

William F. Carr
 Signature

ATTORNEY
 Title

7-1-02
 Date

wcarr@hollandhart.com
 e-mail Address

HOLLAND & HART^{LLP}
ATTORNEYS AT LAW

DENVER • ASPEN
BOULDER • COLORADO SPRINGS
DENVER TECH CENTER
BILLINGS • BOISE
CHEYENNE • JACKSON HOLE
SALT LAKE CITY • SANTA FE
WASHINGTON, D.C.

P.O. BOX 2208
SANTA FE, NEW MEXICO 87504-2208
110 NORTH GUADALUPE, SUITE 1
SANTA FE, NEW MEXICO 87501-6525

TELEPHONE (505) 988-4421
FACSIMILE (505) 983-6043

William F. Carr

wcarr@hollandhart.com

July 1, 2002

HAND DELIVERED

Lori Wrotenbery, Director
Oil Conservation Division
New Mexico Department of Energy,
Minerals and Natural Resources
1220 Saint Francis Drive
Santa Fe, New Mexico 87505

(30-039-24863)

Re: Application of Williams Production Company, L.L.C. for Administrative
Approval of Horizontal Drilling in the Basin-Fruitland Coal Gas Pool, Rio
Arriba County, New Mexico.

Dear Ms. Wrotenbery:

Pursuant to the provisions of Rules 8 and 9 of the Special Rules and Regulations for the Basin-Fruitland Coal Gas Pool, as promulgated by Division Order No. R-8768 dated October 17, 1988, Williams Production Company, L.L.C. hereby files its application for an administrative exception to the requirements of Rule 7 as amended by Division Order No. R-8768-B, effective February 10, 2000, for the re-entry and drilling of its Rosa Unit Well No. 310 as an intentionally deviated horizontal wellbore on a standard coalbed methane gas spacing unit comprised of the W/2 of Section 26, Township 31 North, Range 4 West, NMPM, Rio Arriba County, New Mexico. This spacing unit will be the Project Area for this horizontal well.

Rule 7 provides that wells in the Basin-Fruitland Coal Gas Pool shall be located in the NE/4 or SW/4 of a single governmental section and shall be located no closer than 660 feet to any outer boundary of the spacing unit nor closer than 10 feet to any interior quarter or quarter-quarter section line. The surface location for the proposed Rosa Unit Well No. 310 well is 1245 feet from the South line and 1850 feet from the West line of said Section 26 and is therefore is at a standard surface location pursuant to Rule 7. However, the vertical portion of the wellbore will cross a quarter section line.

Williams proposes to re-enter the well and kick-off at a depth of 3196.52 feet and build a curve at a rate of 12 degrees per 100 feet until a 90 degree curve is

HOLLAND & HART^{LLP}
ATTORNEYS AT LAW

July 1, 2002
Page 2

achieved at a vertical depth of 3674 feet. Williams proposes to then drill a lateral in a northwesterly direction along an azimuth of 331 degrees for a bottomhole displacement of approximately 2500 feet to a terminus in the NW/4 of Section 26. The wellbore will be confined to a twenty foot target seam from 3664 feet to 3684 feet vertical depth and at all times within a Producing Area 660 feet from the outer boundary of the Project Area.

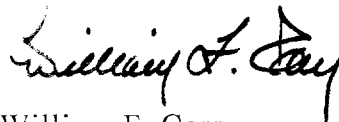
Attached to this application are the following documents:

- Exhibit A.** A plat showing the proposed spacing unit, the standard surface location, projected horizontal wellbore and the proposed lateral end of the wellbore;
- Exhibit B.** A plat identifying all offsetting owners, all of which have voluntarily committed their respective interests to the Rosa Unit;
- Exhibit C.** A copy of Division Form C-102 identifying the proposed 320-acre standard gas spacing or proration unit to be dedicated to the well;
- Exhibit D.** The Halliburton Sperry-Sun Proposal Report for the Rosa Unit Well No. 310 which contains schematic drawings of the proposed well that fully describe the casing, tubing, perforated or openhole interval, kick-off point, and proposed trajectory of the directional drainhole;

The spacing unit for the proposed horizontal well comprised of the W/2 of Section 26 is located within the Rosa Unit, a voluntary exploratory unit operated by Williams Production Company, L.L.C. There are no operators or owners of undrilled tracts offsetting the proposed gas spacing or proration unit for said well since all ownership of each tract is committed to the unit and therefore there no operators or owners to whom notice of this application must be provided pursuant to Rule 9(B).

Your attention to this application is appreciated.

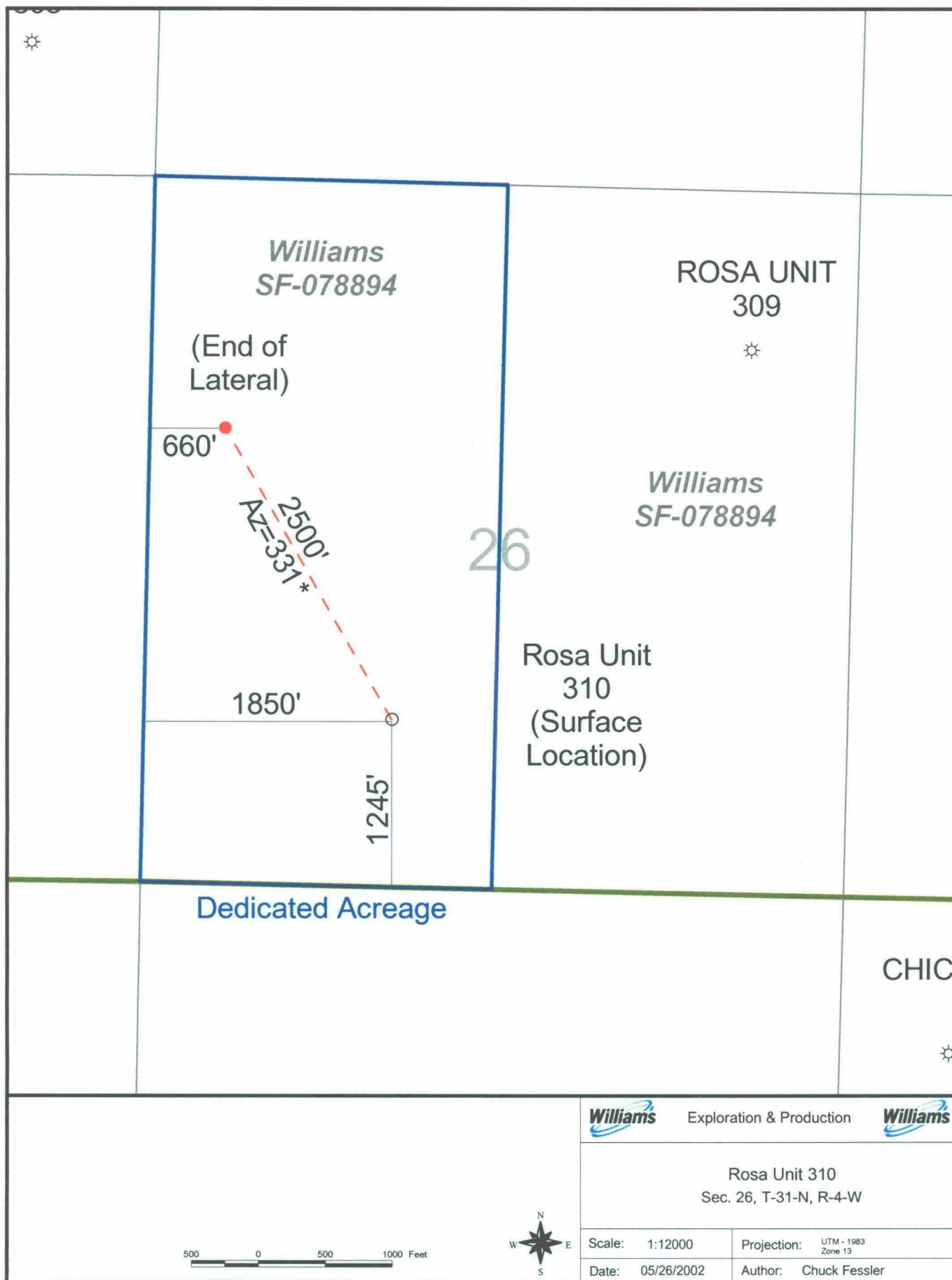
Very truly yours,



William F. Carr
Attorney for Williams Production
Company

Enclosures

cc: Oil Conservation Division-Aztec



File Path: S:\GIS_Mapping\Projects\Vern_Hansen\Rosa_Unit-310\rosa_unit-310.apr

EXHIBIT A



File Path: S:\GIS_Mapping\Projects\Vern_Hansen\Rosa_Unit-310\rosa_unit-310.apr

EXHIBIT B

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-

OIL CONSERVATION DIVISION

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

P.O. Box 2088

Sanita Fe, New Mexico 87504-2088

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

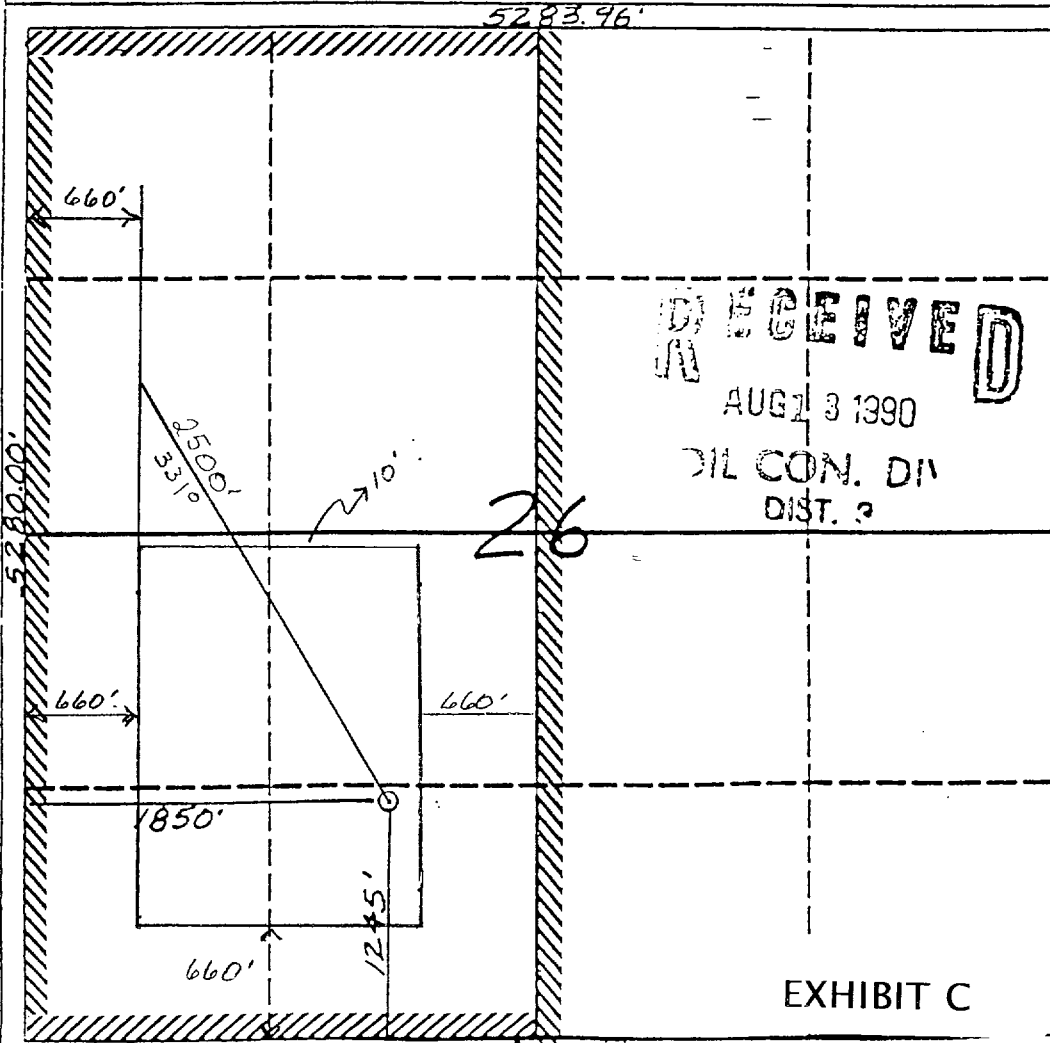
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator Meridian Oil Inc.			Lease Rosa Unit (Fee)		Well No. 310
Unit Letter N	Section 26	Township 31 North	Range 4 West	County NMPM Rio Arriba	
Actual Footage Location of Well: 1245 feet from the South line and 1850 feet from the West line					
Ground level Elev. 6892'		Producing Formation Fruitland Coal		Pool Basin	Dedicated Acreage: 320 A

- Outline the acreage dedicated to the subject well by colored pencil or markers 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 communitization, unitization, force-pooling, etc.?
☒ Yes ☐ No If answer is "yes" type of consolidation unitization
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 interest, has been approved by the Division.



OPERATOR CERTIFICATE

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

Signature
Peggy Bradfield

Printed Name
Regulatory Affairs

Position
Meridian Oil Inc.

Company
8-10-90

Date

SURVEYOR CERTIFICATE

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

7-7-90

Date Surveyed

Signature of Surveyor
Professional Surveyor

NEW MEXICO
REGISTERED LAND SURVEYOR
6857

Certificate No.
Neale C. Edwards

Williams Production Company

***New Mexico
Rio Arriba County
Rosa Unit # 310 - Plan 04/26/02***

Proposal Report

29 April, 2002

Data Source: Information from Gary Sizemore

EXHIBIT D

**HALLIBURTON
Sperry-Sun**

Proposal Ref: pro5724

Williams Production Company

Proposal Report for Rosa Unit # 310 - Plan 04/26/02

Data Source: Information from Gary Sizemore

New Mexico

Rio Arriba County

Measured Depth (ft)	Incl. (Deg)	Azim. (Deg)	Station Coordinates TVD (ft)	Northings (ft)	Eastings (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Comment
0.00	0.000	0.000	0.00	0.00 N	0.00 E	0.00		Target - Rosa Unit 330 (90° Perp to Cleat), Current Target
3151.00	0.000	0.000	3151.00	0.00 N	0.00 E	0.00	0.00	Ojo Alamo Ss
3196.52	0.000	0.000	3196.52	0.00 N	0.00 E	0.00	0.00	Build 12°/100' to 90° Inc & 331.576° Azm to 3946.54' md
3210.00	1.618	331.576	3210.00	0.17 N	0.09 W	0.19	12.00	
3240.00	5.217	331.576	3239.94	1.74 N	0.94 W	1.98	12.00	
3270.00	8.817	331.576	3269.71	4.96 N	2.69 W	5.64	12.00	
3278.40	9.825	331.576	3278.00	6.16 N	3.33 W	7.00	12.00	Kirtland Shale
3300.00	12.417	331.576	3299.19	9.82 N	5.32 W	11.17	12.00	
3330.00	16.017	331.576	3328.27	16.30 N	8.82 W	18.54	12.00	
3360.00	19.617	331.576	3356.82	24.37 N	13.19 W	27.71	12.00	
3390.00	23.217	331.576	3384.75	34.01 N	18.41 W	38.67	12.00	
3420.00	26.817	331.576	3411.93	45.16 N	24.44 W	51.35	12.00	
3450.00	30.417	331.576	3438.26	57.79 N	31.28 W	65.72	12.00	
3480.00	34.017	331.576	3463.64	71.86 N	38.89 W	81.71	12.00	
3510.00	37.616	331.576	3487.96	87.29 N	47.25 W	99.26	12.00	
3540.00	41.216	331.576	3511.13	104.04 N	56.31 W	118.31	12.00	
3560.14	43.633	331.576	3526.00	115.99 N	62.78 W	131.89	12.00	Fruitland Fm
3570.00	44.816	331.576	3533.06	122.04 N	66.05 W	138.77	12.00	
3600.00	48.416	331.576	3553.67	141.21 N	76.43 W	160.57	12.00	
3630.00	52.016	331.576	3572.86	161.48 N	87.40 W	183.62	12.00	
3660.00	55.616	331.576	3590.57	182.77 N	98.92 W	207.83	12.00	
3690.00	59.216	331.576	3606.72	205.00 N	110.95 W	233.10	12.00	
3720.00	62.816	331.576	3621.26	228.08 N	123.44 W	259.34	12.00	
3750.00	66.415	331.576	3634.12	251.91 N	136.34 W	286.44	12.00	
3780.00	70.015	331.576	3645.25	276.40 N	149.60 W	314.29	12.00	
3810.00	73.615	331.576	3654.61	301.47 N	163.17 W	342.79	12.00	
3840.00	77.215	331.576	3662.16	327.00 N	176.98 W	371.82	12.00	
3848.65	78.253	331.576	3664.00	334.43 N	181.01 W	380.27	12.00	Top of Coal
3870.00	80.815	331.576	3667.88	352.89 N	191.00 W	401.26	12.00	
3900.00	84.415	331.576	3671.73	379.05 N	205.16 W	431.01	12.00	
3930.00	88.015	331.576	3673.71	405.37 N	219.40 W	460.94	12.00	
3946.54	90.000	331.576	3674.00	419.92 N	227.28 W	477.48	12.00	EOC - Hold 90° Inc & 331.576° Azm to 5969.06' md
4000.00	90.000	331.576	3674.00	466.93 N	252.72 W	530.94	0.00	
4100.00	90.000	331.576	3674.00	554.88 N	300.32 W	630.94	0.00	
4200.00	90.000	331.576	3674.00	642.82 N	347.92 W	730.94	0.00	
4300.00	90.000	331.576	3674.00	730.77 N	395.52 W	830.94	0.00	
4400.00	90.000	331.576	3674.00	818.71 N	443.12 W	930.94	0.00	
4500.00	90.000	331.576	3674.00	906.66 N	490.72 W	1030.94	0.00	
4600.00	90.000	331.576	3674.00	994.60 N	538.32 W	1130.94	0.00	
4700.00	90.000	331.576	3674.00	1082.55 N	585.92 W	1230.94	0.00	

Williams Production Company

Proposal Report for Rosa Unit # 310 - Plan 04/26/02

Data Source: Information from Gary Sizemore

New Mexico

Rio Arriba County

Measured Depth (ft)	Incl. (Deg)	Azim. (Deg)	Station Coordinates			Vertical Section (ft)	Dogleg Rate (°/100ft)	Comment
			TVD (ft)	Northings (ft)	Eastings (ft)			
4800.00	90.000	331.576	3674.00	1170.49 N	633.52 W	1330.94	0.00	
4900.00	90.000	331.576	3674.00	1258.44 N	681.12 W	1430.94	0.00	
5000.00	90.000	331.576	3674.00	1346.38 N	728.71 W	1530.94	0.00	
5100.00	90.000	331.576	3674.00	1434.33 N	776.31 W	1630.94	0.00	
5200.00	90.000	331.576	3674.00	1522.27 N	823.91 W	1730.94	0.00	
5300.00	90.000	331.576	3674.00	1610.22 N	871.51 W	1830.94	0.00	
5400.00	90.000	331.576	3674.00	1698.16 N	919.11 W	1930.94	0.00	
5500.00	90.000	331.576	3674.00	1786.11 N	966.71 W	2030.94	0.00	
5600.00	90.000	331.576	3674.00	1874.05 N	1014.31 W	2130.94	0.00	
5700.00	90.000	331.576	3674.00	1962.00 N	1061.91 W	2230.94	0.00	
5800.00	90.000	331.576	3674.00	2049.94 N	1109.51 W	2330.94	0.00	
5900.00	90.000	331.576	3674.00	2137.89 N	1157.11 W	2430.94	0.00	
5969.06	90.000	331.576	3674.00	2198.62 N	1189.98 W	2500.00	0.00	TD of Well @ 5969.06' md & 3674' TVD (2500' Total Vertical Section)

All data is in Feet (US) unless otherwise stated. Directions and coordinates are relative to True North.
Vertical depths are relative to RKB. Northings and Eastings are relative to 1245' FSL/1850' FWL.

The Dogleg Severity is in Degrees per 100 feet.

Vertical Section is from 1245' FSL/1850' FWL and calculated along an Azimuth of 331.576° (True).

Magnetic Declination at Surface is 11.062° (26-Apr-02)

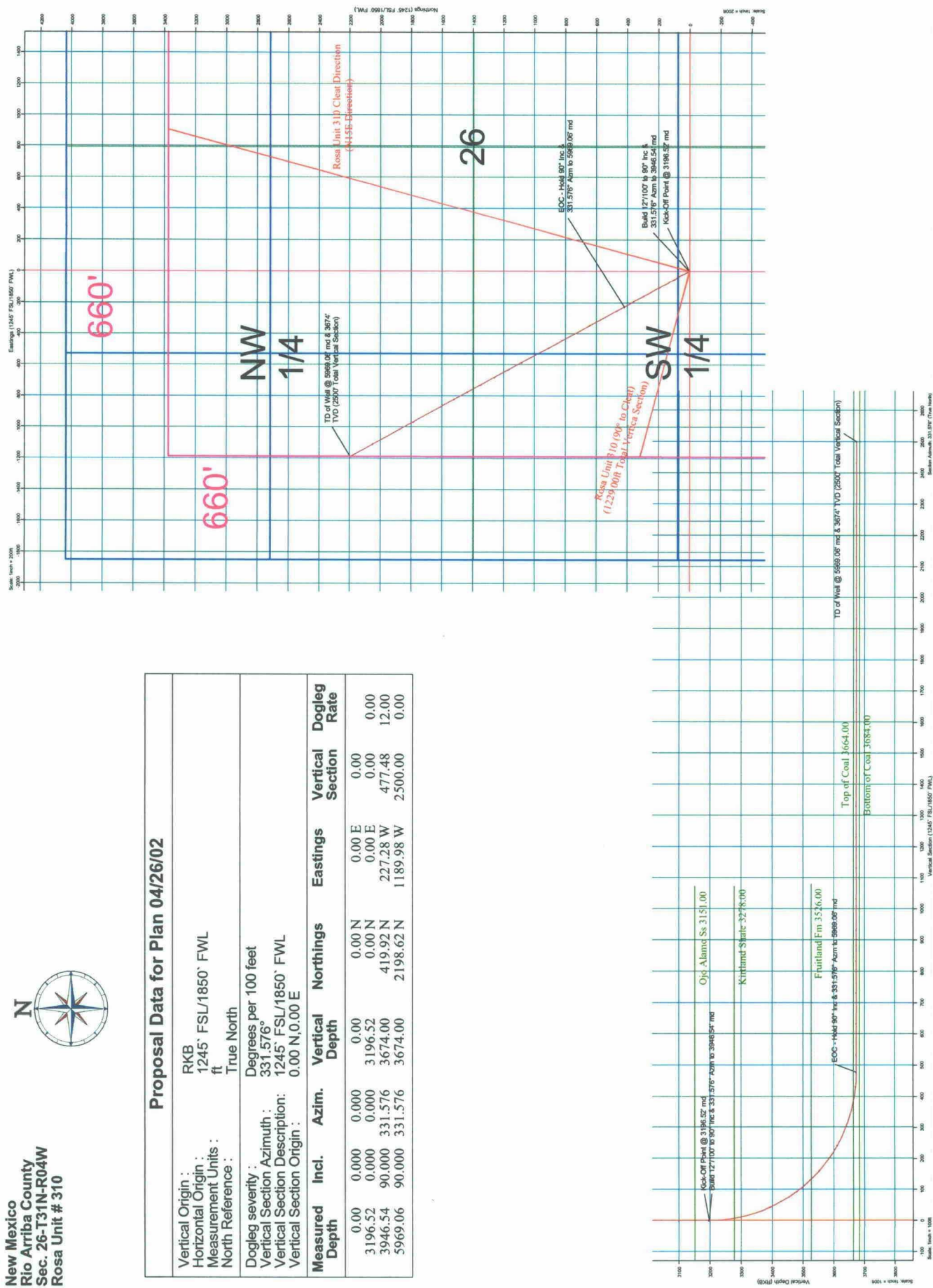
Based upon Minimum Curvature type calculations, at a Measured Depth of 5969.06ft.,
The Bottom Hole Displacement is 2500.00ft., in the Direction of 331.576° (True).



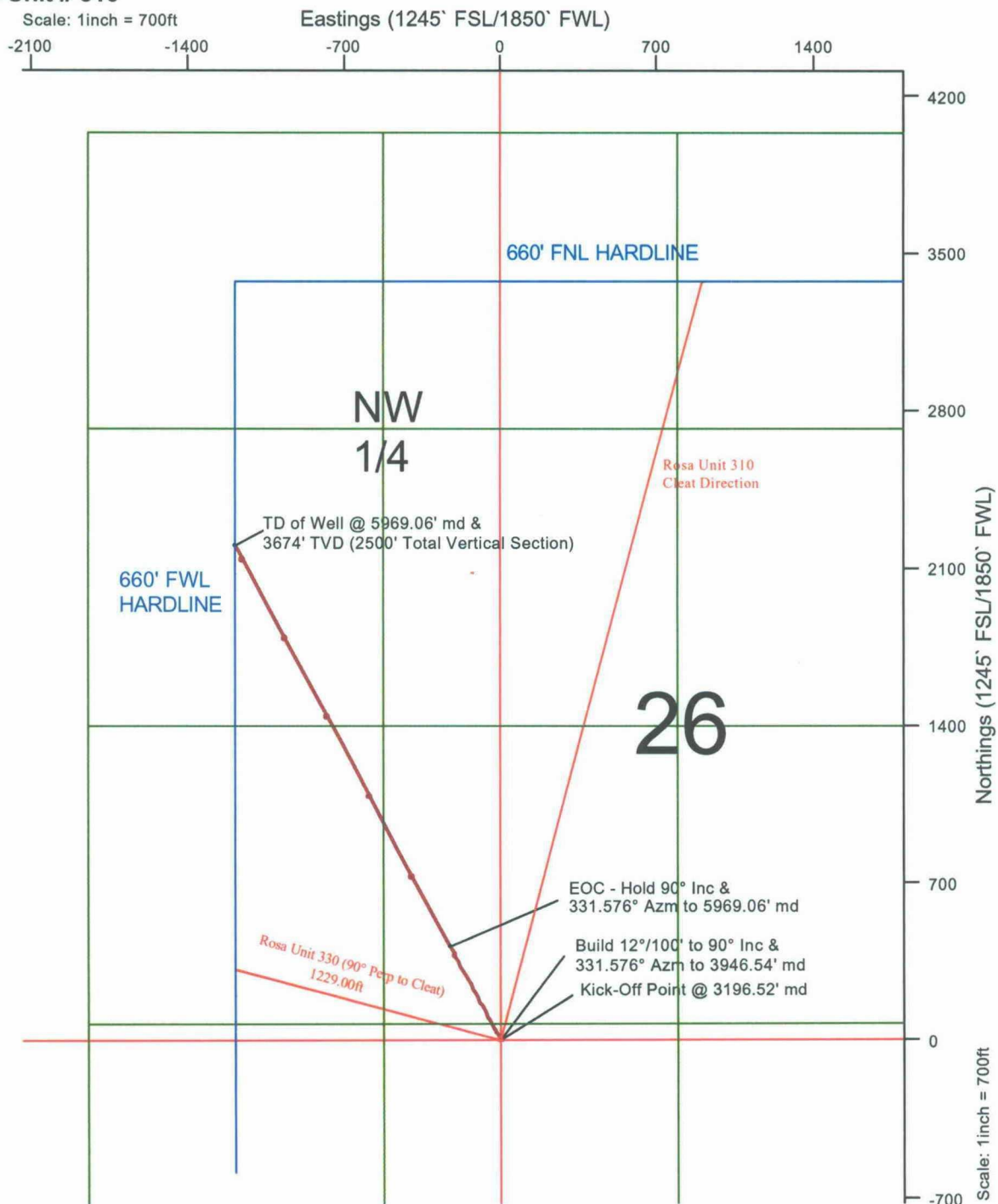
**New Mexico
Rio Arriba County
Sec. 26-T31N-R04W
Rosa Unit # 310**

Proposal Data for Plan 04/26/02

Vertical Origin :	RKB						
Horizontal Origin :	1245° FSL/1850° FWL						
Measurement Units :	ft						
North Reference :	True North						
Dogleg severity :	Degrees per 100 feet						
Vertical Section Azimuth :	331.576°						
Vertical Section Description:	1245° FSL/1850° FWL						
Vertical Section Origin :	0.00 N,0.00 E						
Measured Depth	Incl.	Azim.	Vertical Depth	Northings	Eastings	Vertical Section	Dogleg Rate
0.00	0.000	0.000	0.00	0.00 N	0.00 E	0.00	
3196.52	0.000	0.000	3196.52	0.00 N	0.00 E	0.00	0.00
3946.54	90.000	331.576	3674.00	-419.92 N	227.28 W	477.48	12.00
5969.06	90.000	331.576	3674.00	2198.62 N	1189.98 W	2500.00	0.00



New Mexico
Rio Arriba County
Sec. 26-T31N-R04W
Rosa Unit # 310



Prepared by:
Admin

Date/Time:
18 June, 2002 - 10:52

Checked:

Approved:

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

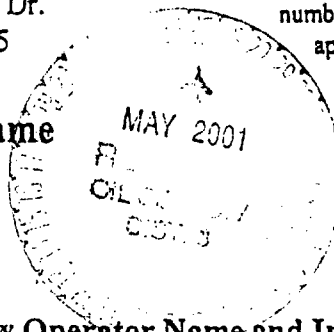
State of New Mexico
Energy Minerals and Natural Resources

Form 704B
March 1 2001

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit 1 copy of the final affected wells
list along with 1 copy of this form per
number of wells on that list to
appropriate District Office

Change of Operator Name



OGRID: 120782

Effective Date: _____

Previous Operator Name and Information:

Name: Williams Production Company
Address: One Williams Center
Address: P.O. Box 3102
City, State, Zip: Tulsa, OK 74101

New Operator Name and Information:

New Name: Williams Production Company LLC
Address: One Williams Center
Address: P.O. Box 3102
City, State, Zip: Tulsa, OK 74101

I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given on this form and the attached list of wells is true and complete to the best of my knowledge and belief.

Signature: Tracy Ross

Printed name: Tracy Ross

Title: Production Analyst

Date: 4/30/01 Phone: 918/573-6881

NMOCD Approval

Signature: _____

Printed Name: 328
SUPERVISOR DISTRICT #3

District: MAY 25 2001

Date: _____

OIL CONSERVATION DIVISION

State of New Mexico

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

RECEIVED

Energy, Minerals and Natural Resources Department

Form C-105
Revised 1-1-89

90 OCT 10 AM 9:51
DISTRICT II
P.O. Box 1980, Hobbs, NM 88240

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

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

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

WELL API NO.

30-039-24863

5. Indicate Type of Lease

STATE ☐FEE ☒

6. State Oil & Gas Lease No.

Fee

7. Lease Name or Unit Agreement Name

Rosa Unit

8. Well No.

310

9. Pool name or Wildcat

Basin Fruitland Coal

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well:

OIL WELL ☐GAS WELL ☒DRY ☐OTHER ☐

b. Type of Completion:

NEW WELL ☒WORK OVER ☐DEEPEN ☐PLUG BACK ☐DIFF. RESER. ☐OTHER ☐

OCT 5 1990

2. Name of Operator

Meridian Oil Inc.

3. Address of Operator

PO Box 4289, Farmington, NM 87499

4. Well Location

Unit Letter N; 1245 Feet From The South Line and 1850 Feet From The West Line

Section 26

Township 31N

Range 4W

NMPM

Rio Arriba

County

10. Date Spudded

8-15-90

11. Date T.D. Reached

8-26-90

12. Date Compl. (Ready to Prod.)

9-1-90

13. Elevations (DF & RKB, RT, GR, etc.)

6892' GL

14. Elev. Casinghead

15. Total Depth

3735'

16. Plug Back T.D.

17. If Multiple Compl. How Many Zones?

18. Intervals Drilled By

Rotary Tools

Cable Tools

yes

19. Producing Interval(s), of this completion - Top, Bottom, Name

Fruitland Coal (3654-3692')

20. Was Directional Survey Made

no

21. Type Electric and Other Logs Run

DIL-LDT-CNL-NGT-ML

22. Was Well Cored

no

23.

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8"	36.0#	225'	12 1/4"	189 cu.ft.	
7"	23.0#	3570'	8 3/4"	1219 cu.ft.	

24.

LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
4 1/2"	3380'	3734'	88 cu.ft.		2 3/8"	3690'	

25. TUBING RECORD

26. Perforation record (interval, size, and number)

3654-60', 3663-80', 3688-92' w/2 spf

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL

AMOUNT AND KIND MATERIAL USED

3654-3692'

70,500#sand; 112,746

gal. fluid

28.

PRODUCTION

Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)	
shut in, waiting on pipeline;		capable of commercial hydrocarbon production					
Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
					177 MCF	pitot gas	
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)	
SI 1113	SI 865						

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

to be sold BHP @ 3680' 1264

Test Witnessed By

30. List Attachments

none

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Printed Name

Peggy Bradfield

Reg. Affairs

10-4-90

Title

Date

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

T. Anhy _____	T. Canyon _____
T. Salt _____	T. Strawn _____
B. Salt _____	T. Atoka _____
T. Yates _____	T. Miss _____
T. 7 Rivers _____	T. Devonian _____
T. Queen _____	T. Silurian _____
T. Grayburg _____	T. Montoya _____
T. San Andres _____	T. Simpson _____
T. Glorieta _____	T. McKee _____
T. Paddock _____	T. Ellenburger _____
T. Blinberry _____	T. Gr. Wash _____
T. Tubb _____	T. Delaware Sand _____
T. Drinkard _____	T. Bone Springs _____
T. Abo _____	T. _____
T. Wolfcamp _____	T. _____
T. Penn _____	T. _____
T. Cisco (Bough C) _____	T. _____

Northwestern New Mexico

T. Ojo Alamo	3209	T. Penn. "B"
T. Kirtland-Fruitland	3282	T. Penn. "C"
T. Pictured Cliffs	Ft 3560	T. Penn. "D"
T. Cliff House	PC 3694	T. Leadville
T. Menefee		T. Madison
T. Point Lookout		T. Elbert
T. Mancos		T. McCracken
T. Gallup		T. Ignacio Otzte
Base Greenhorn		T. Granite
T. Dakota		T.
T. Morrison		T.
T. Todilto		T.
T. Entrada		T.
T. Wingate		T.
T. Chinle		T.
T. Permian		T.
T. Penn "A"		T.

OIL OR GAS SANDS OR ZONES

No. 1, from.....to.....
No. 2, from.....to.....
No. 3, from.....to.....
No. 4, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from to feet

No. 2, from to feet

No. 3, from to feet

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness in Feet	Lithology	From	To	Thickness in Feet	Lithology
3209	3282	71	Ojo Alamo				
3282	3560	278	Kirtland				
3560	3694	134	Fruitland				
3694	3735	41	Pic.Cliffs				

Submit 5 Copies
Appropriate District Office
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

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

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

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

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

ON DIVISION
RECEIVED

Form C-104
Revised 1-1-89
See Instructions
at Bottom of Page

30 OCT 15 AM 9 44

REQUEST FOR ALLOWABLE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS

Operator Meridian Oil Inc.	Well API No. 30-039-24863
Address PO Box 4289, Farmington, NM 87499	
Reason(s) for Filing (Check proper box) ☐ Other (Please explain)	
New Well ☒	Change in Transporter of:
Recompletion ☐	Oil ☐ Dry Gas ☐
Change in Operator ☐	Casinghead Gas ☐ Condensate ☐
If change of operator give name and address of previous operator	

II. DESCRIPTION OF WELL AND LEASE

Lease Name Rosa Unit	Well No. 310	Pool Name, Including Formation Basin Fruitland Coal	Kind of Lease State, Federal or Fee	Lease No. Fee
Location Unit Letter N : 1245 Feet From The South Line and 1850 Feet From The West Line Section 26 Township 31N Range 4W, NMPM, Rio Arriba County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☐ or Condensate ☒ Meridian Oil Inc.	Address (Give address to which approved copy of this form is to be sent) PO Box 4289, Farmington, NM 87499	
Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☒ Northwest pipeline	Address (Give address to which approved copy of this form is to be sent) 3539 E. 30th, Farmington, NM 87499	
If well produces oil or liquids, give location of tanks.	Unit N	Sec. 26
	Twp. 31	Rge. 4
	Is gas actually connected? When ?	

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v
		X	X					
Date Spudded 8-15-90	Date Compl. Ready to Prod. 9-1-90		Total Depth 3735'			P.B.T.D.		
Elevations (DF, RKB, RT, GR, etc.) 6892' GL	Name of Producing Formation Fruitland Coal		Top Oil/Gas Pay 3654'			Tubing Depth 3690'		
Perforations 3654-60', 3663-80', 3688-92' w/2 spf			Depth Casing Shoe					
TUBING, CASING AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			
12 1/4"	9 5/8"		225'		189 cu.ft.			
8 3/4"	7"		3570'		1219 cu.ft.			
6 1/4"	4 1/2"		3734'		88 cu.ft.			
	2 3/8"		3690'					

V. TEST DATA AND REQUEST FOR ALLOWABLE

OIL WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.)

Date First New Oil Run To Tank	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.) backpressure	Tubing Pressure (Shut-in) SI 1113	Casing Pressure (Shut-in) SI 865	Choke Size

VI. OPERATOR CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature
Peggy Bradfield
Printed Name
10-4-90
Date
Reg. Affairs
Title
326-9700
Telephone No.

OIL CONSERVATION DIVISION

Date Approved OCT 05 1990

By
Title SUPERVISOR DISTRICT # 3

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.
- 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.

Submit 5 Copies
Appropriate District Office
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-104
Revised 1-1-89
See Instructions
at Bottom of Page

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

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

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 8750004-2088

REQUEST FOR ALLOWABLE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS

I.

Operator	Meridian Oil Inc.	Well API No.	30-039-24863
Address P.O. Box 4289, Farmington, New Mexico 87499			
Reason(s) for Filing (Check proper box) ☐ Other (Please explain)			
New Well	☐	Change in Transporter of:	
Recompletion	☐	Oil	☐ Dry Gas ☒
Change in Operator	☐	Casinghead Gas	☐ Condensate ☐

If change of operator give name
and address of previous operator

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease	Lease No.
Rosa Unit	310	Basin Fruitland Coal	State, Federal or Fee	FEE
Location				
Unit Letter	N	1245	Feet form the	South
Section	26	Township	31N	Range
		Line and	1850	Feet From The
		West	Line	
		NMPM,	Rio Arriba	County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil	☐	or Condensate	☒	Address (Give address to which approved copy of this form to be sent)
Meridian Oil Inc.				P.O. Box 4289, Farmington, NM 87499
Name of Authorized Transporter of Casinghead Gas	☐	or Dry Gas	☒	Address (Give address to which approved copy of this form to be sent)
Associated Natural Gas Inc.				370 17th Street, Suite 900, Denver CO 80202
If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.
	N	26	31N	4W
		Is gas actually connected?		When ?

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v
Date Spudded	Date Compl. Ready to Prod.	Total Depth			P.B.T.D.			
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation			Top Oil/Gas Pay		Tubing Depth		
Perforations						Depth Casing Shoe		

TUBING, CASING AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

V. TEST DATA AND REQUEST FOR ALLOWABLE

OIL WELL (Test must be after recovery of total volume of load oil & must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tank	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pitot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. OPERATOR CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature	Production Assistant
Bill Brightman	
Printed Name	Title
7/19/93	505-326-9752
Date	Telephone No.

OIL CONSERVATION DIVISION

Date Approved	JUL 19 1993
By	Bill D. Shamp
Title	SUPERVISOR DISTRICT #3

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.
- 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
- 4) Separate Form C-104 must be filed for each pool in multiply completed wells.

OIL CONSERVATION DIVISION
RECEIVED

State of New Mexico

Form C-103

Energy, Minerals and Natural Resources Department

'90 SEP 28 AM 9 54

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

SUNDRY NOTICES AND REPORTS ON WELLS

API NO. (assigned by OCD on new wells)

30-039-24863

5. Indicate Type of Lease

FEE

6. State Oil & Gas Lease No.

1a. Type of Well

GAS

7. Lease Name or Unit Agreement Name

ROSA UNIT

2. Name of Operator

MERIDIAN OIL INC.

8. Well No.

310

3. Address of Operator

PO Box 4289, Farmington, NM 87499

9. Pool Name or Wildcat

BASIN FRUITLAND COAL

4. Well Location

Unit letter N 1245' FSL 1850' FWL

Section 26 T31N R04W NMPM RIO ARRIBA COUNTY

10. Elevation

6892'

11. SUBSEQUENT REPORT OF: Running Casing

12. Describe proposed or completed operations

DATE: 082690

TD 3735', Ran 9 jts of 4 1/2" 10.5# K-55 casing, 355' set @ 3734'.
Liner top @ 3380', PBTD @ 3716'. Cement with 75 sacks of Class B
cement with 2% calcium chloride and 1/4# Flocele/sack (88 cu ft.).
Reversed out 6 bbls of cement.

RECEIVED

SEP 24 1990

OIL CON. DIV.,
DIST. 3

SIGNATURE

[Signature]

TITLE Regulatory Affairs

DATE

9-21-90

(This space for State Use)

APPROVED BY

[Signature]

TITLE SUPERVISOR DISTRICT # 3

DATE

SEP 24 1990

Conditions of approval if any:

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103

CONSERVATION DIVISION
RECEIVED

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

90 SEP 4 AM 10 36

SUNDRY NOTICES AND REPORTS ON WELLS

API NO. (assigned by OCD on new wells)

30-039-24863

5. Indicate Type of Lease

FEE

6. State Oil & Gas Lease No.

SF-078894

1a. Type of Well

GAS

7. Lease Name or Unit Agreement Name

ROSA UNIT

2. Name of Operator

MERIDIAN OIL INC.

8. Well No.

310

3. Address of Operator

PO Box 4289, Farmington, NM 87499

9. Pool Name or Wildcat

BASIN FRUITLAND COAL

4. Well Location

Unit letter N 1245' FSL 1850' FWL

Section 26 T31N R04W NMPM RIO ARRIBA COUNTY

10. Elevation

6892'

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AUG 23 1990

11. SUBSEQUENT REPORT OF: SPUD

OIL CON. DIV.

DIST. 3

12. Describe proposed or completed operations

SPUD DATE: 081590

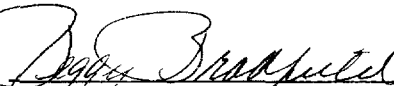
SPUD TIME: 1800

TD 228' Ran 5 jts of 9 5/8" 36.0# K-55 casing, 212' set @ 225'
Cemented with 160 sacks of Class B cement with 1/4#
Flocele/sack and 3% calcium chloride, (189 cu ft.).
Circulated 10 bbl to surface. WOC 12 hours.
Pressure tested to 600 psi for 30 minutes. Held OK.

DATE: 082090

TD 3570', Ran 83 jts of 7" 23.0# K-55 casing, 3557' set @ 3570'
Lead with 633 sacks of Class B cement 65/35
Poz, 6% gel, 2% CaCl2, .5 cu ft perlite (1101 cu ft.).
Tail with 100 sacks of Class B cement with
2% CaCl2 (118 cu ft.). Circulated 22 bbl to surface.

SIGNATURE



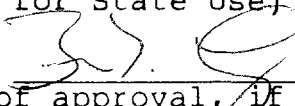
TITLE Regulatory Affairs

DATE

8-21-90

(This space for State Use)

APPROVED BY



TITLE SUPERVISOR DISTRICT #3

DATE

AUG 24 1990

Conditions of approval, if any:

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

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-104
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address WILLIAMS PRODUCTION COMPANY P.O. BOX 3102 MS 37-4 TULSA, OK 74101		² OGRID Number 120782
		³ Reason for Filing Code CH EFFECTIVE DATE: 11/06/95
⁴ API Number 3003924863	⁵ Pool Name BASIN FRUITLAND COAL	⁶ Pool Code 71629
⁷ Property Code 00017033	⁸ Property Name ROSA UNIT	⁹ Well Number 310

II. ¹⁰ Surface Location

UL or lot no. N	Section 26	Township 31N	Range 04W	Lot Idn	Feet from the 1245'	North/South Line SOUTH	Feet from the 1850'	East/West line WEST	County RIO ARRIBA
--------------------	---------------	-----------------	--------------	---------	------------------------	---------------------------	------------------------	------------------------	----------------------

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Loe Code P	¹³ Producing Method Code	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ POD	²¹ O/G	²² POD ULSTR Location and Description
009018	GIANT REFINERY NEW MEXICO P.O. BOX 1299 SCOTTSDALE, AZ 85267		O	
036785	ANGI PO BOX 5493 DENVER, CO 80217	2810184	G	

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DEC - 7 1995
OIL CON. DIV.
DIST. 3

IV. Produced Water

²³ POD 2810185	²⁴ POD ULSTR Location and Description
------------------------------	--

V. Well Completion Data

²⁵ Spud Date	²⁶ Ready Date	²⁷ TD	²⁸ PBTD	²⁹ Perforations
³⁰ Hole Size	³¹ Casing & Tubing Size	³² Depth Set	³³ Sacks Cement	

VI. Well Test Data

³⁴ Date New Oil	³⁵ Gas Delivery Date	³⁶ Test Date	³⁷ Test Length	³⁸ Tbg. Pressure	³⁹ Csg. Pressure
⁴⁰ Choke Size	⁴¹ Oil	⁴² Water	⁴³ Gas	⁴⁴ AOF	⁴⁵ Test Method

"I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.
Signature: *Kristine Russell*

Printed name: KRISTINE RUSSELL

Title: PRODUCTION ANALYST

Date: December 5, 1995 Phone: (918)561-6181

OIL CONSERVATION DIVISION

Approved by: *[Signature]*
SUPERVISOR DISTRICT #3

Title:

Approval Date: DEC - 7 1995

"If this is a change of operator fill in the OGRID number and name of the previous operator
MERIDIAN OIL INC. #014538

Previous Operator Signature

Peggy Bradfield
Peggy Bradfield Regulatory Adm
Printed Name Title

12-1-95
Date

OIL CONSERVATION DIVISION

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

OIL CONSERVATION DIVISION
Form C-135
Adopted 4-1-91

NO. 93-1111-1111
SIGNING INSTRUCTIONS
BOTTOM OF PAGE

GAS WELL CONNECTION, RECONNECTION, OR DISCONNECTION NOTICE

This is to notify the Oil Conservation Division of the following:

Connection ☒ First Delivery 8-2-93 305 MCF/D
Date Initial Potential

Reconnection _____ First Delivery _____
Date Initial Potential

Disconnection _____
Date

for delivery of gas from the Meridian Oil Inc.
Operator

SE- FCC Rosa Unit
Lease

25021 310 N 26-T31N-R4W
Meter Code Site Code Well No. Unit Letter S-T-R

Basin Fruitland Coal
Pool

was made on 8-2-93
Date

AOF Choke

OCD use only

County RA

Land Type P

Liq. Transporter MCI

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SEP 20 1993

OIL CON. DIV.
DIST. 2

Associated Natural Gas Inc
Transporter

Jeff L. Tutthill
Signature of Transporter Representative

Jeff Tutthill Field Foreman
Printed Name and Title

908 Hare St. Bloomfield, N.M. 87402-0921
Address and Telephone Number

INSTRUCTIONS:

Each transporter of gas from a prorated gas well shall submit this form in duplicate to the appropriate district office of the Division within 30 days following the connection, reconnection, or disconnection of a well from air gathering/transportation system, in accordance with Rule 1104, Rule 35, and R 8170 as amended.

Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

RECEIVED

OIL CONSERVATION DIVISION

P.O. Box 2088

'90 AUG 20 AM 9 54 Santa Fe, New Mexico 87504-2088

APPLICATION FOR PERMIT TO DRILL, DEEPEN,
OR PLUG BACK

API NO. (assigned by OCD on new wells)

5. Indicate Type of Lease

FEE

6. State Oil & Gas Lease No.

1a. Type of Work

DRILL

b. Type of Well

GAS

SINGLE ZONE

2. Name of Operator

MERIDIAN OIL INC.

3. Address of Operator

PO Box 4289, Farmington, NM 87499

4. Well Location

Unit letter N 1245' FSL 1850' FWL

Section 26 T31N R04W NMPM RIO ARRIBA COUNTY

7. Lease Name or Unit Agreement Name

ROSA UNIT

8. Well No.

310

9. Pool Name or Wildcat

BASIN FRUITLAND COAL

10. Proposed Depth

3698'

11. Formation

FRUITLAND COAL

12. Rotary or C.T.

Rotary

13. Elevation

6892' GL

14. Bond Type

statewide

15. Drill. Contractor

16. Est. Start Date

upon approval

17.

PROPOSED CASING AND CEMENT PROGRAM

SIZE HOLE	SIZE CASING	WT. PER FT.	SET. DEPTH	SKS OF CEMENT	EST. TOP
12 1/4"	9 5/8"	32.3#	200 ft.	189 cu.ft.	circ surface
8 3/4"	7"	20.0#	3606 ft.	1148 cu.ft.	circ surface
6 1/4"	5 1/2"	15.5#	3698 ft.	do not cmt.	

The Fruitland Coal formation will be completed.

A minimum 2000 psi working pressure double gate blowout preventer equipped with blind and pipe rams will be used for blow out prevention on this well. This gas is dedicated.

The W/2 of Sec 26 is dedicated to this well.

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

SIGNATURE

TITLE Reg. Drilling Engr. DATE

8/10/90

(This space for State Use)

APPROVED BY

TITLE

DATE

AUG 13 1990

Conditions of approval, if any:

APPROVAL EXPIRES 2-13-91
 UNLESS DRILLING IS COMMENCED.
 SPUD NOTICE MUST BE SUBMITTED
 WITHIN 60 DAYS

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

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

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

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT II
P.O. Drawer DD, Artesia, 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 (Fee) Rosa Unit		Well No. 310
Unit Letter N	Section 26	Township 31 North	Range 4 West	County NMPM Rio Arriba
Actual Footage Location of Well: 1245 feet from the South line and 1850 feet from the West line				
Ground level Elev. 6892'	Producing Formation FruitlandCoal	Pool Basin	Dedicated Acreage: 320 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.

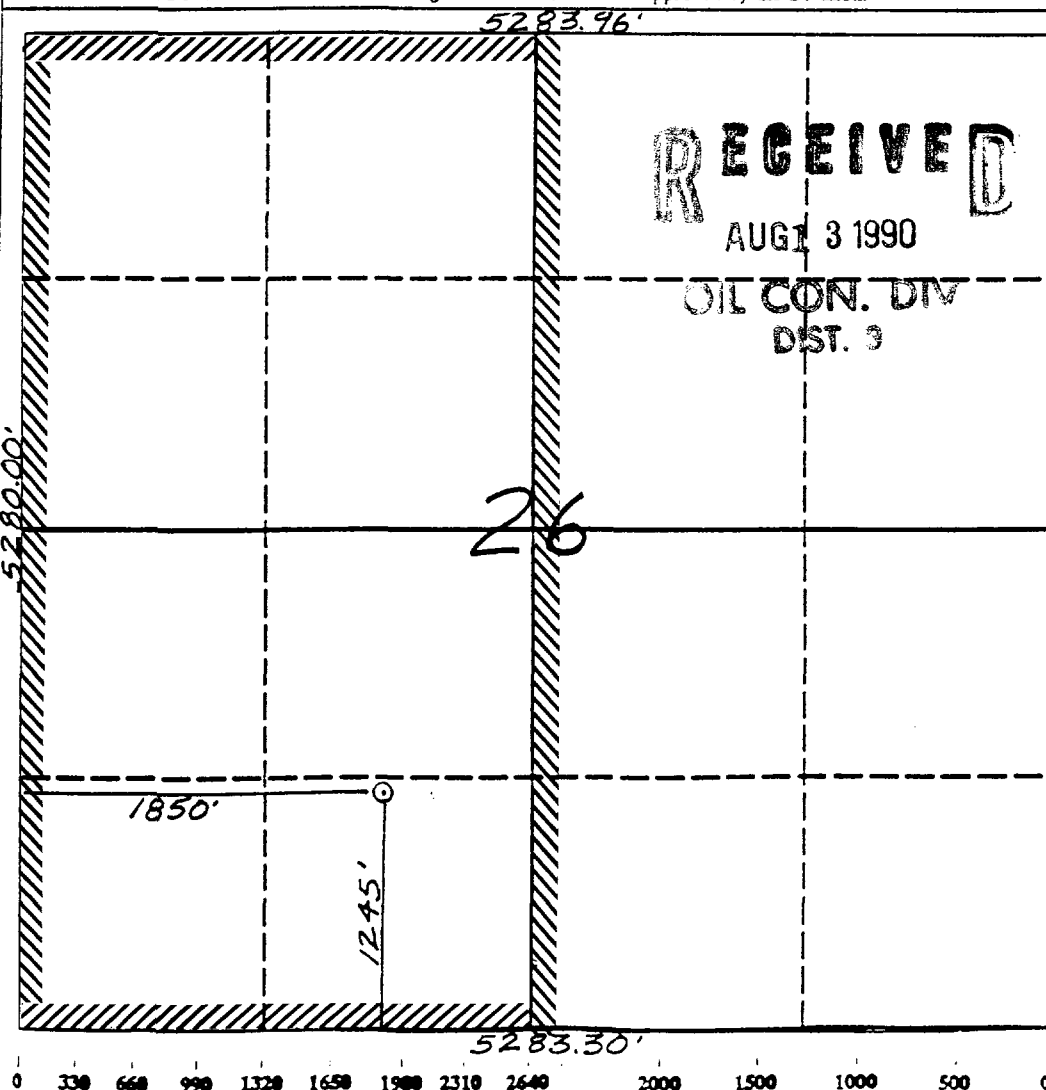
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?

☒ Yes ☐ No If answer is "yes" type of consolidation unitization

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 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
Printed Name
Regulatory Affairs
Position
Meridian Oil Inc.
Company

Date
8-10-90

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes or 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
7-7-90
Signature
Professional Surveyor

NEALE C. EDWARDS
6857
6857
REGISTERED LAND SURVEYOR
Neale C. Edwards



United States
Department of
Agriculture

Forest
Service

Jicarilla
Ranger District

Gobernador Route
Blanco, NM 87412

Reply to 2820

Date August 9, 1990

Mr. Charlie Warner
Meridian Oil Company
P.O. Box 4289
Farmington, New Mexico 87499

MERIDIAN OIL

AUG 10 1990

FARMINGTON, NEW MEXICO
Construction Supervisor

Dear Charlie:

Permission is hereby given to Meridian Oil Company to construct approximately 100 feet of access road on National Forest Lands to the Meridian Rosa 310 well location.

Monitoring of all ground disturbance by a professional archeologist is required as a condition of this permission. A monitor's report will be submitted to the Forest Archeologist in Taos, New Mexico upon completion of the monitoring.

A locked gate may be required on this access road upon completion of the drilling of the Meridian Rosa 310 well. Please contact Jim Tensfield at this office upon completion.

If you have any questions or concerns regarding this permission to construct, please do not hesitate to contact me.

Sincerely,

Betty Jordan

for PHILIP R. SETTLES
District Forest Ranger



CMD :
OG5SECTONGARD
INQUIRE LAND BY SECTION07/05/02 14:55:46
OGOMES -TPQX
PAGE NO: 1

Sec : 26 Twp : 31N Rng : 04W Section Type : NORMAL

D	C	B	A
40.00	40.00	40.00	40.00
Federal owned U	Federal owned U	Federal owned U	Federal owned U A
E	1 HB8	2 HB8	3
40.00	29.26	23.93	39.80
Federal owned U	Mixed Non State	Mixed Non State	Federal owned

PF01 HELP PF02 PF03 EXIT PF04 GOTO PF05 PF06
 PF07 BKWD PF08 FWD PF09 PRINT PF10 SDIV PF11 PF12

CMD :
OG5SECT

ONGARD
INQUIRE LAND BY SECTION

07/05/02 14:55:48
OGOMES -TPQX
PAGE NO: 2

Sec : 26 Twp : 31N Rng : 04W Section Type : NORMAL

6	HB8	5	HB8	4	HB8	I
38.04		4.75		9.36		40.00
Mixed Non State		Mixed Non State		Mixed Non State		Federal owned U
7	HB8	8	HB8	9	HB8	P
27.19		3.84		28.62		40.00
Mixed Non State		Mixed Non State		Mixed Non State		Federal owned U

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06
PF07 BKWD PF08 FWD PF09 PRINT PF10 SDIV PF11 PF12

CMD : ONGARD 07/05/02 14:56:01
 OG6IWCM INQUIRE WELL COMPLETIONS OGOMES -TPQX

API Well No : 30 39 24949 Eff Date : 11-06-1995 WC Status : A
 Pool Idn : 71629 BASIN FRUITLAND COAL (GAS)
 OGRID Idn : 120782 WILLIAMS PRODUCTION COMPANY, LLC
 Prop Idn : 17033 ROSA UNIT

Well No : 309
 GL Elevation: 7039

U/L	Sec	Township	Range	North/South	East/West	Prop/Act (P/A)
B.H. Locn	: A	26	31N	04W	FTG 1155 F N FTG 790 F E	P
Lot Identifier:						
Dedicated Acre:	320.00					
Lease Type	: F					
Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O) : U						

M0025: Enter PF keys to scroll

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06
PF07	PF08	PF09	PF10 NEXT-WC	PF11 HISTORY	PF12 NXTREC

CMD :
OG6ACRE

ONGARD
C102-DEDICATE ACREAGE

07/05/02 14:56:06
OGOMES -TPQX
Page No : 1

API Well No : 30 39 24949 Eff Date : 05-03-1994
Pool Idn : 71629 BASIN FRUITLAND COAL (GAS)
Prop Idn : 17033 ROSA UNIT
Spacing Unit : 41407 OCD Order :
Sect/Twp/Rng : 26 31N 04W Acreage : 320.00
Dedicated Land: Simultaneous Dedication:
Revised C102? (Y/N) :

S	Base U/L	Sec	Twp	Rng	Acreage	L/W	Ownership	Lot	Idn
	A	26	31N	04W	40.00	N	FD		
	B	26	31N	04W	40.00	N	FD		
	G	HB8	26	31N	04W	155.21	N	IN	
	O	HB8	26	31N	04W	155.21	N	IN	
	I	26	31N	04W	40.00	N	FD		
	P	26	31N	04W	40.00	N	FD		
	G	2	26	31N	04W	23.93	N	FD	
	H	3	26	31N	04W	39.80	N	FD	
	O	9	26	31N	04W	28.62	N	FD	
E0005: Enter data to modify or PF keys to scroll									
PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06 CONFIRM				
PF07 BKWD	PF08 FWD	PF09	PF10 LAND	PF11 NXTSEC	PF12 RECONF				

CMD : ONGARD 07/05/02 14:56:19

OG6IPRD INQUIRE PRODUCTION BY POOL/WELL OGOMES -TPQX

Page No: 1

OGRID Identifier : 120782 WILLIAMS PRODUCTION COMPANY, LLC

Pool Identifier : 71629 BASIN FRUITLAND COAL (GAS)

API Well No : 30 39 24949 Report Period - From : 01 2000 To : 06 2002

API Well No	Property Name	Prodn. Days MM/YY Prod	Production Volumes Gas Oil Water	well Stat
30	39 24949 ROSA UNIT	01 00 31	1830	720 F
30	39 24949 ROSA UNIT	02 00 29	1161	240 F
30	39 24949 ROSA UNIT	03 00 31	1995	880 F
30	39 24949 ROSA UNIT	04 00 30	1980	1440 F
30	39 24949 ROSA UNIT	05 00 31	2465	720 F
30	39 24949 ROSA UNIT	06 00 30	2314	1360 F
30	39 24949 ROSA UNIT	07 00 31	2830	1470 F

Reporting Period Total (Gas, Oil) :

M0025: Enter PF keys to scroll

PF01 HELP PF02 PF03 EXIT PF04 GOTO PF05 PF06 CONFIRM
PF07 BKWD PF08 FWD PF09 PF10 NXTPool PF11 NXTOGD PF12

CMD : ONGARD 07/05/02 14:56:22

OG6IPRD INQUIRE PRODUCTION BY POOL/WELL OGOMES -TPQX

Page No: 2

OGRID Identifier : 120782 WILLIAMS PRODUCTION COMPANY, LLC

Pool Identifier : 71629 BASIN FRUITLAND COAL (GAS)

API Well No : 30 39 24949 Report Period - From : 01 2000 To : 06 2002

API Well No	Property Name	Prodn. Days		Production Volumes			Well
		MM/YY	Prod	Gas	Oil	Water Stat	
30	39 24949 ROSA UNIT	08 00	31	2409		740	F
30	39 24949 ROSA UNIT	09 00	30	2052		1040	F
30	39 24949 ROSA UNIT	10 00	31	2951		720	F
30	39 24949 ROSA UNIT	11 00	30	3066		1280	F
30	39 24949 ROSA UNIT	12 00	31	2743		960	F
30	39 24949 ROSA UNIT	01 01	31	2711		1440	F
30	39 24949 ROSA UNIT	02 01	28	2180		560	F

Reporting Period Total (Gas, Oil) :

E0049: User may continue scrolling.

PF01 HELP PF02 PF03 EXIT PF04 GOTO PF05 PF06 CONFIRM
PF07 BKWD PF08 FWD PF09 PF10 NXTPOOL PF11 NXTOGD PF12

CMD : ONGARD

07/05/02 14:56:23

OG6IPRD INQUIRE PRODUCTION BY POOL/WELL

OGOMES -TPQX

Page No: 3

OGRID Identifier : 120782 WILLIAMS PRODUCTION COMPANY, LLC

Pool Identifier : 71629 BASIN FRUITLAND COAL (GAS)

API Well No : 30 39 24949 Report Period - From : 01 2000 To : 06 2002

API Well No	Property Name	Prodn. Days MM/YY Prod	Production Volumes Gas Oil Water	Well Stat
30	39 24949 ROSA UNIT	03 01 31	2378	1040 F
30	39 24949 ROSA UNIT	04 01 30	2353	800 F
30	39 24949 ROSA UNIT	05 01 31	2534	1360 F
30	39 24949 ROSA UNIT	06 01 30	2158	800 F
30	39 24949 ROSA UNIT	07 01 31	2377	720 F
30	39 24949 ROSA UNIT	08 01 31	2465	720 F
30	39 24949 ROSA UNIT	09 01 30	2597	960 F

Reporting Period Total (Gas, Oil) :

E0049: User may continue scrolling.

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06 CONFIRM
PF07 BKWD PF08 FWD PF09 PF10 NXTPool PF11 NXTOGD PF12

CMD : ONGARD 07/05/02 14:56:24

OG6IPRD INQUIRE PRODUCTION BY POOL/Well OGOMES -TPQX

Page No: 4

OGRID Identifier : 120782 WILLIAMS PRODUCTION COMPANY, LLC

Pool Identifier : 71629 BASIN FRUITLAND COAL (GAS)

API Well No : 30 39 24949 Report Period - From : 01 2000 To : 06 2002

API Well No	Property Name	Prodn. Days		Production Volumes		Well
		MM/YY	Prod	Gas	Oil	Water Stat
30	39 24949 ROSA UNIT	10 01	31	2304		1280 F
30	39 24949 ROSA UNIT	11 01	30	2627		640 F
30	39 24949 ROSA UNIT	12 01	31	2768		960 F
30	39 24949 ROSA UNIT	01 02	31	2665		960 F
30	39 24949 ROSA UNIT	02 02	28	2281		640 F
30	39 24949 ROSA UNIT	03 02	31	2560		1120 F
30	39 24949 ROSA UNIT	04 02	30	2029		640 F

Reporting Period Total (Gas, Oil) : 66783 26210

E0049: User may continue scrolling.

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06 CONFIRM
PF07 BKWD PF08 FWD PF09 PF10 NXTPool PF11 NXTOGD PF12