

DEVIATION REPORT

| | | | | | |
|-------------------|----------|--------------------------------------|----------|----------|-------|
| Name of Company | | Address | | | |
| Meridian Oil Inc. | | P. O. Box 4269, Farmington, NM 87499 | | | |
| Lease | Well No. | Unit Letter | Section | Township | Range |
| Allison Unit | 34 | | 11 | T-32-N | R-7-W |
| Pool | | | County | | |
| Basin Dakota | | | San Juan | | |

Depth (Ft.)

Deviation (Degrees)

311'
798'
1327'
1854'
2345'
2742'
3233'
3950'
4050'
4150'
4200'
4250'
4471'
5003'
5510'

RECEIVED
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OIL CON. DIV.
DIST. 3

1/2 deg
1/2 deg
1/2 deg
3/4 deg
3/4 deg
1 deg
3/4 deg
1 1/4 deg
2 deg
4 deg
5 deg
7 deg
1 1/4 deg
3 deg
9 deg

Set Retainer @ 3916' and plugged back. Deviations continued on back side.

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 23rd day of October, 1991

[Signature]

Notary Public in and for San Juan County, New Mexico

My Commission expires

August 17, 1992

| <u>Depth (Ft.)</u> | <u>Deviation (Degrees)</u> |
|--------------------|----------------------------|
| 3916' | 1/2 deg |
| 3985' | 1/2 deg |
| 4047' | 1/2 deg |
| 4078' | 3/4 deg |
| 4108' | 3/4 deg |
| 4139' | 3/4 deg |
| 4170' | 1 deg |
| 4201' | 1 deg |
| 4233' | 1 deg |
| 4297' | 1 1/4 deg |
| 4359' | 1 1/4 deg |
| 4422' | 1 1/2 deg |
| 4484' | 1 1/2 deg |
| 4547' | 1 1/2 deg |
| 4609' | 1 3/4 deg |
| 4670' | 1 3/4 deg |
| 4734' | 1 3/4 deg |
| 4795' | 2 deg |
| 4858' | 2 1/4 deg |
| 4922' | 2 deg |
| 4984' | 2 1/2 deg |
| 5047' | 2 1/4 deg |
| 5109' | 2 1/2 deg |
| 5172' | 3 deg |
| 5235' | 2 1/2 deg |
| 5299' | 2 1/2 deg |
| 5362' | 2 3/4 deg |
| 5425' | 3 deg |
| 5487' | 2 3/4 deg |
| 5547' | 2 3/4 deg |
| 5609' | 2 1/2 deg |
| 5703' | 3 deg |
| 5798' | 3 deg |
| 5890' | 3 deg |
| 6015' | 2 3/4 deg |
| 6140' | 3 deg |
| 6266' | 3 deg |
| 6421' | 3 1/4 deg |
| 6580' | 3 1/4 deg |
| 6736' | 3 1/4 deg |
| 6921' | 2 1/4 deg |
| 7174' | 1 3/4 deg |
| 7455' | 3/4 deg |
| 7770' | 1 1/2 deg |
| 8209' | 1 1/2 deg |

OIL CONSERVATION DIVISION

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

REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

| | | |
|---|---|-------------------------------------|
| Operator Meridian Oil Inc. | | Well API No. 30-045- 28591 |
| Address PO Box 4289, Farmington, NM 87499 | | |
| Reason(s) for Filing (Check proper box) <input type="checkbox"/> Other (Please explain) | | |
| New Well <input checked="" type="checkbox"/> | Change in Transporter of: | |
| Recompletion <input type="checkbox"/> | Oil <input type="checkbox"/> | Dry Gas <input type="checkbox"/> |
| Change in Operator <input type="checkbox"/> | Casinghead Gas <input type="checkbox"/> | Condensate <input type="checkbox"/> |
| If change of operator give name and address of previous operator | | |

II. DESCRIPTION OF WELL AND LEASE

| | | | | |
|---|----------------|--|--|-------------------------|
| Lease Name Allison Unit | Well No. 34 | Pool Name, including Formation Basin Dakota | Kind of Lease State, Federal or Fee | Lease No. SF-078459B |
| Location Unit Letter K : 1970 Feet From The South Line and 1870 Feet From The West Line Section 11 Township 32 Range 7, NMPM, San Juan County | | | | |

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

| | |
|---|---|
| Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/> 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 <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/> | Address (Give address to which approved copy of this form is to be sent) |
| If well produces oil or liquids, give location of tanks. | Unit K Sec. 11 Twp. 32 Rge. 7 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 09-25-91 | Date Compl. Ready to Prod. 11-10-91 | Total Depth 8209' | P.B.T.D. | | | | | |
| Elevations (DF, RKB, RT, GR, etc.) 6670' GL | Name of Producing Formation Dakota | Top Oil/Gas Pay 8068' | Tubing Depth 8169' | | | | | |
| Perforations 8068-74', 8077-80', 8120-70' w/4 spf | | | Depth Casing Shoe | | | | | |
| TUBING, CASING AND CEMENTING RECORD | | | | | | | | |
| HOLE SIZE | CASING & TUBING SIZE | DEPTH SET | SACKS CEMENT | | | | | |
| 12 1/4" | 9 5/8" | 308' | 230 cu.ft. | | | | | |
| 8 3/4" | 7" | 3952' | 1025 cu.ft. | | | | | |
| 6 1/4" | 4 1/2" | 8210' | 698 cu.ft. | | | | | |
| | 2 3/8" | 8169' | | | | | | |

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 |

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OIL CON. DIV.
DIST. 3

GAS WELL

| | | | |
|--|-----------------------------------|-----------------------------------|-----------------------------|
| Actual Prod. Test - MCF/D 2097 | Length of Test 3 hrs | Bbls. Condensate/MMCF -- | Gravity of Condensate -- |
| Testing Method (pilot, back pr.) backpressure | Tubing Pressure (Shut-in) 1100 | Casing Pressure (Shut-in) 1170 | Choke Size 3/4" |

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
12-3-91
Reg. Affairs
326-9700
Title
Telephone No.

OIL CONSERVATION DIVISION

Date Approved
DEC 10 1991
By
SUPERVISOR
Title

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.