

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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SANTA FE	
FILE	
U.S.G.A.	
LAND OFFICE	
TRANSPORTER	OIL
	GAS
OPERATOR	
PRODUCTION OFFICE	

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-104
Revised 10-01-78
Format 06-01-83
Page 1

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I.

Operator Meridian Oil Inc.	
Address P. O. Box 4289, Farmington, NM 87499	
Reason(s) for filing (Check proper box)	Other (Please explain)
<input type="checkbox"/> New Well	Meridian Oil Inc. is Operator for El Paso Production Company
<input type="checkbox"/> Recompletion	
<input checked="" type="checkbox"/> Change in Operatorship	
<input type="checkbox"/> Change in Transporter of: <input type="checkbox"/> Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/> Casinghead Gas <input checked="" type="checkbox"/> Condensate	

If change of ownership give name and address of previous owner El Paso Natural Gas Company, P. O. Box 4289, Farmington, NM 87499

II. DESCRIPTION OF WELL AND LEASE

Lease Name Allison Unit	Well No. 31	Pool Name, including Formation Basin Dakota	Kind of Lease State, Federal or Fee	Lease No. SF 078459B
Location				
Unit Letter L	1465	Feet From The South	Line and 810	Feet From The West
Line of Section 14	Township 32N	Range 7W	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"/>	Address (Give address to which approved copy of this form is to be sent)		
Meridian Oil Inc.	P. O. 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)		
Northwest Pipeline Corp.	P. O. Box 8900, Salt Lake City, UT 84110		
If well produces oil or liquids, give location of tanks.	Unit, Sec., Twp., Rge.	Is gas actually connected?	When
L	14 32N 7W		

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

NOTE: Complete Parts IV and V on reverse side if necessary.

VI. 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 is true and complete to the best of my knowledge and belief.

(Signature)

Drilling Clerk

(Title)

11-1-86

(Date)

OIL CONSERVATION DIVISION

APPROVED _____, 19 _____

BY _____

TITLE _____ DISTRICT # 3

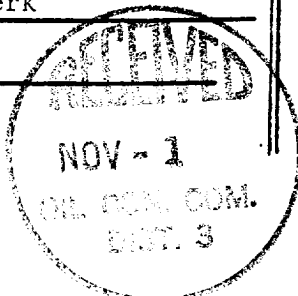
This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply completed wells.



submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

1. Type of Well
GAS

2. Name of Operator

**BURLINGTON
RESOURCES**

OIL & GAS COMPANY

3. Address & Phone No. of Operator

PO Box 4289, Farmington, NM 87499 (505) 326-9700

4. Location of Well, Footage, Sec., T, R, M

1465' FSL, 810' FWL, Sec. 14, T-32-N, R-7-W, NMPM

L

5. Lease Number

SF-078459B

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name

Allison Unit

8. Well Name & Number

Allison Unit #31

9. API Well No.

30-045-23296

10. Field and Pool

Basin Dakota

11. County and State

San Juan Co, NM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission

Type of Action

☒ Notice of Intent

☐ Abandonment

☐ Change of Plans

☐ Subsequent Report

☐ Recompletion

☐ New Construction

☐ Final Abandonment

☐ Plugging Back

☐ Non-Routine Fracturing

☐ Casing Repair

☐ Water Shut off

☐ Altering Casing

☐ Conversion to Injection

☒ Other - Tubing repair

13. Describe Proposed or Completed Operations

It is intended to repair the tubing in the subject well and install a plunger according to the attached procedure and wellbore diagram.

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OIL CON. DIV.
DIST. 3

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

Signed [Signature] (KM6) Title Regulatory Administrator Date 12/4/96

(This space for Federal or State Office use)

APPROVED BY _____ Title _____

Date _____

CONDITION OF APPROVAL, if any:

APPROVED

DEC 06 1996
/S/ Duane W. Spencer
DISTRICT MANAGER

NMOC

WORKOVER PROCEDURE
Tubing Repair/Plunger Installation

ALLISON UNIT #31

DPNO: 44006A

Dakota

1565' FSL, 810' FWL

Sec. 14, T32N, R07W,

San Juan County, NM

1. Test location rig anchors. Prepare blow pit. Comply to all NMOCD, BLM and BROGC safety regulations.
2. MIRU daylight PU with air package. Kill well with 2% KCl water. ND wellhead, NU BOP. POOH with 1-1/2" tubing laying down.
3. Deliver 8500' of 2-3/8" 4.7# J55 tubing.
4. PU 3-7/8" bit and 4-1/2" 11.6# casing scraper and RIH to PBTD. If fill covers any perforations then cleanout to PBTD with air. POOH. RIH with 4-1/2" RBP and set at approximately 8300'. Load casing and test casing to 1000 psi. Reverse out load water with air, release RBP and POOH.
5. MIRU wireline. Run GR/CCL from PBTD to 8100'. Tie GR/CCL to formation density log. RIH with 3-1/8" perforating guns on wireline. Perforate Dakota with 4 SPF at 8336'-8357', 8387'-8411', 8455'-8463'. POOH with guns. RDMO wireline company.
6. RIH with Sonic Hammer Tool, Baker Injection Control valve, Baker Rotational Equalizing Valve and 2-3/8" tubing to 8463'. Spot 200 gallons of acid across Dakota perfs. Wash Dakota perfs with 30 gallons of acid per foot while pulling Sonic Hammer across perforations. Pump at 2 BPM.

Dakota Pump Design:

8455' - 8463': 270 gallons

8387' - 8411': 750 gallons

8336' - 8357': 660 gallons

Total Dakota: Approximately 1900 gallons

Dakota Acid Design:

BJ's Super Sol (15%) with:

10 gal/M CI-25 Corrosive Inhibitor

10 gal/M Hy-Temp-0 Intensifier

5 gal/M Ferrotrol-HSA Iron Control

2.5 gal/M Ferrotrol-HSB Iron Control

15 gal/M Ferrotrol-300L Iron Control

2 gal/M NE-10 Non-emulsifier

0.5 gal/M Clay Master 5C - Clay Control

7. RIH to PBTD, open circulating valve and unload hole with air. POOH and lay down tools.
8. RIH with 1 jt. 2-3/8" production tubing, SN (with plunger lift spring) and 2-3/8" tubing to approximately 8430'. ND BOP, NU wellhead. Blow well in. Drop plunger and kick well off. RDMO PU. Turn well to production.

Allison Unit #31
Tubing Repair/Plunger Installation

Recommended: *Kevin Midkiff* 12/12/96
Operations Engineer

Approval: _____
Drilling Superintendent

Concur : _____
Production Superintendent

Contacts:	Operations Engineer	Kevin Midkiff	326-9807 564-1653	Office Pager
	Production Foreman	Cliff Brock	326-9818 326-8872	Office Pager

ALLISON UNIT #31

Recommended Vendors

<u>Service</u>	<u>Vendor</u>	<u>Telephone #</u>
Perforating	Basin Perforating	505-327-5244
Stimulation	B. J. Services	505-327-6222
Sonic Hammer	Fluidic Technology	915-580-0163
Plunger Lift	Ferguson Beauregard (Randy Thille)	505-326-7150

Allison Unit #31

Current -- 9/18/96

DPNO: 44006A

Basin Dakota

1465' FSL, 810' FWL

Unit L, Sec. 14, T32N, R07W, San Juan County, NM

Spud: 9/17/79
Completed: 11/26/79
Elevation: 6863' DF
6853' GL
Logs: FDC, GR, IND, TS

Ojo Alamo @ 2308'
Kirtland @ 2730'
Fruitland @ 2997'
Pictured Cliffs @ 3246'

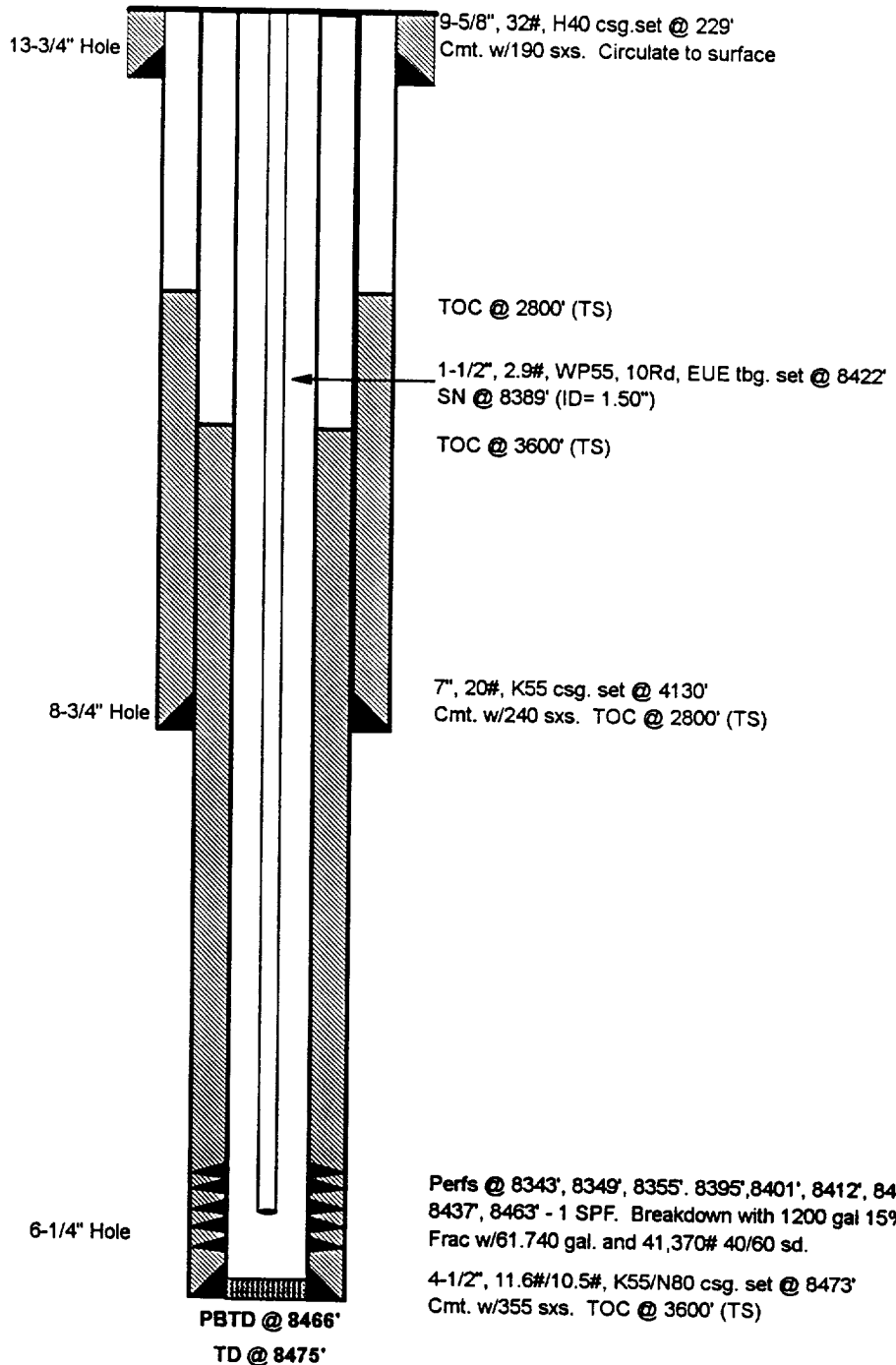
Cliffhouse @ 5730'
Menefee @ 5810'

Point Lookout @ 6040'

Gallup @ 7550'

Greenhorn @ 8144'
Graneros @ 8198'

Dakota @ 8318'



12/2/96

WELLNAME: Allison Unit #31		DP NUMBER: 44006A PROP. NUMBER: 007971400	
WELL TYPE: Basin Dakota		ELEVATION: DF 6863' GL 6853'	
LOCATION: 1465' FSL, 810' FWL Unit L, Sec. 14, T32N, R07W San Juan County, NM		INITIAL POTENTIAL: 646 Test INITIAL SITP: 1,512 Psig	
OWNERSHIP: GWI: 54.0568% NRI: 46.0523% SJB: 0.1454% (RI)		DRILLING: SPUD DATE: 9/17/79 COMPLETED: 11/26/79 TOTAL DEPTH: 8475' PBD: 8466'	
CASING RECORD:			
<u>HOLE SIZE</u>	<u>SIZE</u>	<u>WEIGHT</u>	<u>GRADE</u> <u>DEPTH</u> <u>EQUIP.</u> <u>CEMENT</u> <u>TOC</u>
13-3/4"	9-5/8"	32#	H40 229' Casing 190 sxs Circ to Surface
8-3/4"	7"	20#	K55 4130' Casing 240 sxs 2800' (TS)
6-1/4"	4-1/2"	11.6#/10.5#	K55/N80 8473' Casing 355 sxs 3600' (TS)
	1-1/2"	2.9#	WP-55 8422' 10Rd, EUE Tubing. 1.50" SN @ 8389'
FORMATION TOPS:			
	Ojo Alamo	2605'	Gallup 7550
	Kirtland	2720'	Greenhorn 8144
	Fruitland Coal	3370'	Graneros 8198
	Pictured Cliffs	3610'	Dakota 8318
	Cliffhouse	5730'	
	Menefee	5810'	
	Point Lookout	6040'	
LOGGING: FDC, GR, IND, TS			
PERFORATIONS 1 SPF 8343', 8349', 8355', 8395', 8401', 8412', 8423', 8437', 8463'			
STIMULATION: Breakdown with 1,200 gal. 15% HCl. Frac w/61,740 gal. water and 41,370# 40/60 sand			
WORKOVER HISTORY: None Junk basket at bottom of well.			
PRODUCTION HISTORY:			
	<u>Gas</u>		RESERVE INFORMATION: <u>Gas</u>
Cumulative as of 7/96:	698 MMcf		Gross EUR 1,070 MMcf
Current as of 9/96:	15 Mcfd		Gross Remaining Reserves 372 MMcf
PIPELINE: Williams Field Service			