

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised June 10, 2003
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-34653	² Pool Code 82770	³ Pool Name PENASCO DRAW MORROW
⁴ Property Code	⁵ Property Name RIO STATE	⁶ Well Number 4
⁷ OGRID No. 015363	⁸ Operator Name MURCHISON OIL AND GAS, INC.	⁹ Elevation 3650

¹⁰ Surface Location

UL or lot no. A	Section 36	Township 18-S	Range 24-E	Lot Idn	Feet from the 990	North/South line NORTH	Feet from the 660	East/West line EAST	County EDDY
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Dedicated Acre 320	¹³ Joint or Infill INFILL	¹⁴ Consolidation Code	¹⁵ Order No.						

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

<div>16</div> <div>RECEIVED FEB 21 2006 JULIA ANTESA</div>	<div>SPACING UNIT</div> <div>EXISTING WELL</div>	<div>LAT N32.70936 LON W104.53535</div> <div>990'</div> <div>660'</div>	<div>¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>Michael S. Daugherty</i> 2/16/06 Signature Date MICHAEL S. DAUGHERTY Printed Name</div>
			<div>¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well 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 belief. FEBRUARY 13, 2006 Date of Survey Signature and Seal of Professional Surveyor <i>Dan R. Reddy</i> Certificate Number 5412 DAN R. REDDY, PROFESSIONAL SURVEYOR, NO. 5412</div>



VIA CERTIFIED MAIL

February 16, 2006

Mr. Bryan Arrant
State of New Mexico
Oil Conservation Division
District II
1301 W. Grand Avenue
Artesia, New Mexico 88210-2834

RECEIVED
FEB 21 2006
OCD-ARTESIA

**RE: RIO STATE #4
EDDY COUNTY, NM.**

Dear Mr. Arrant:

Please find attached the following:

- 1) Form C-102 (Loc. Plat)
- 2) Form C-144 – Original + 6 copies
- 3) Mud Program
- 4) Letter to OCD regarding H2S contingency plan

Please note that Form C-101 (APD) will be submitted online in a couple of days.

If you have any questions please call me.

Very truly yours,

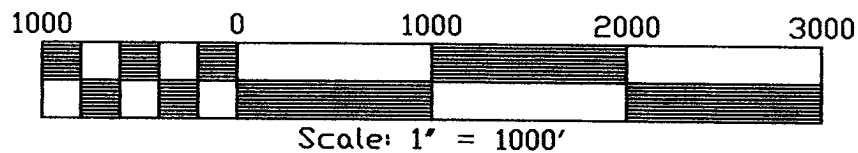
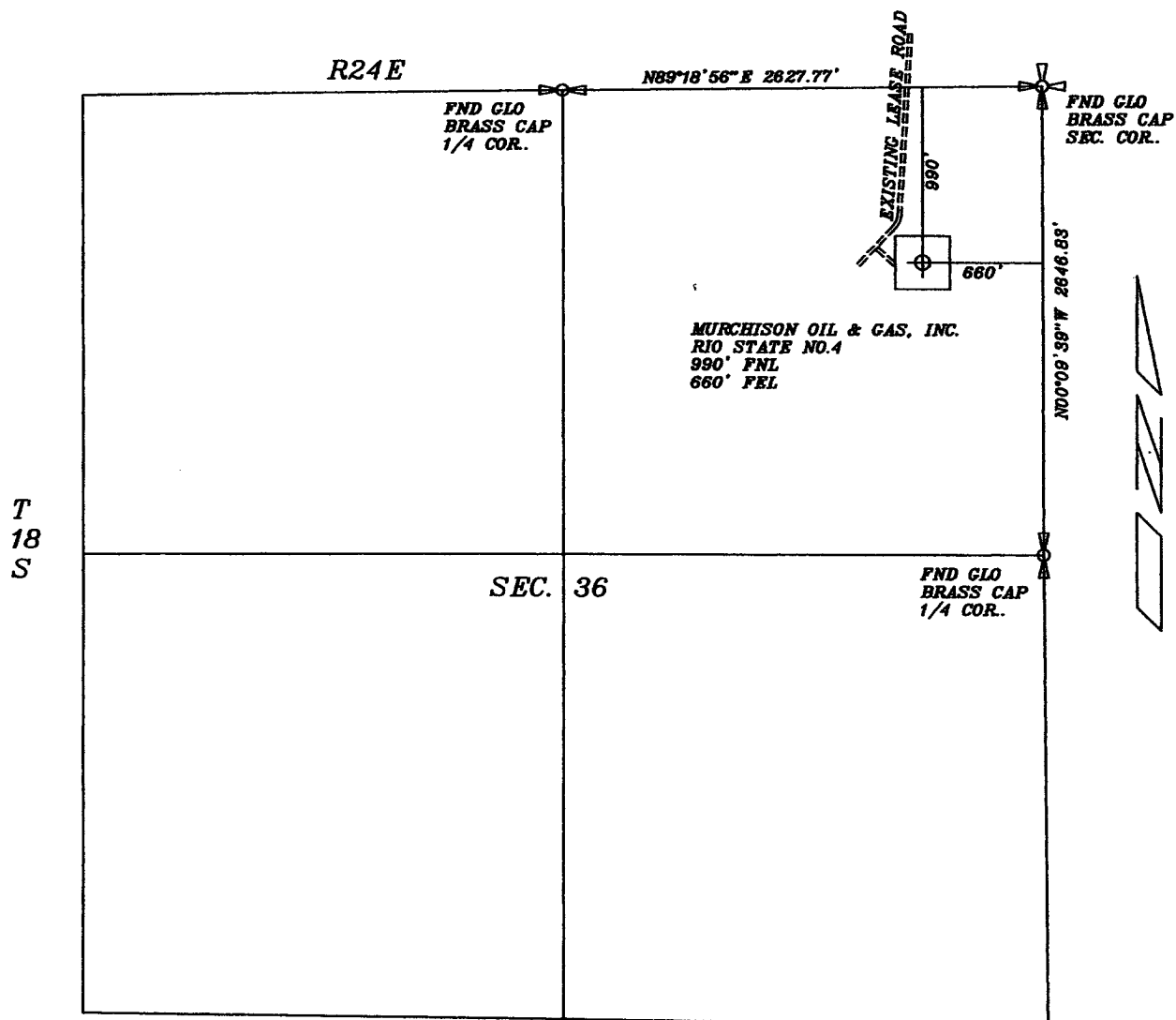
MURCHISON OIL & GAS, INC.

Carla Tracy
Carla Tracy

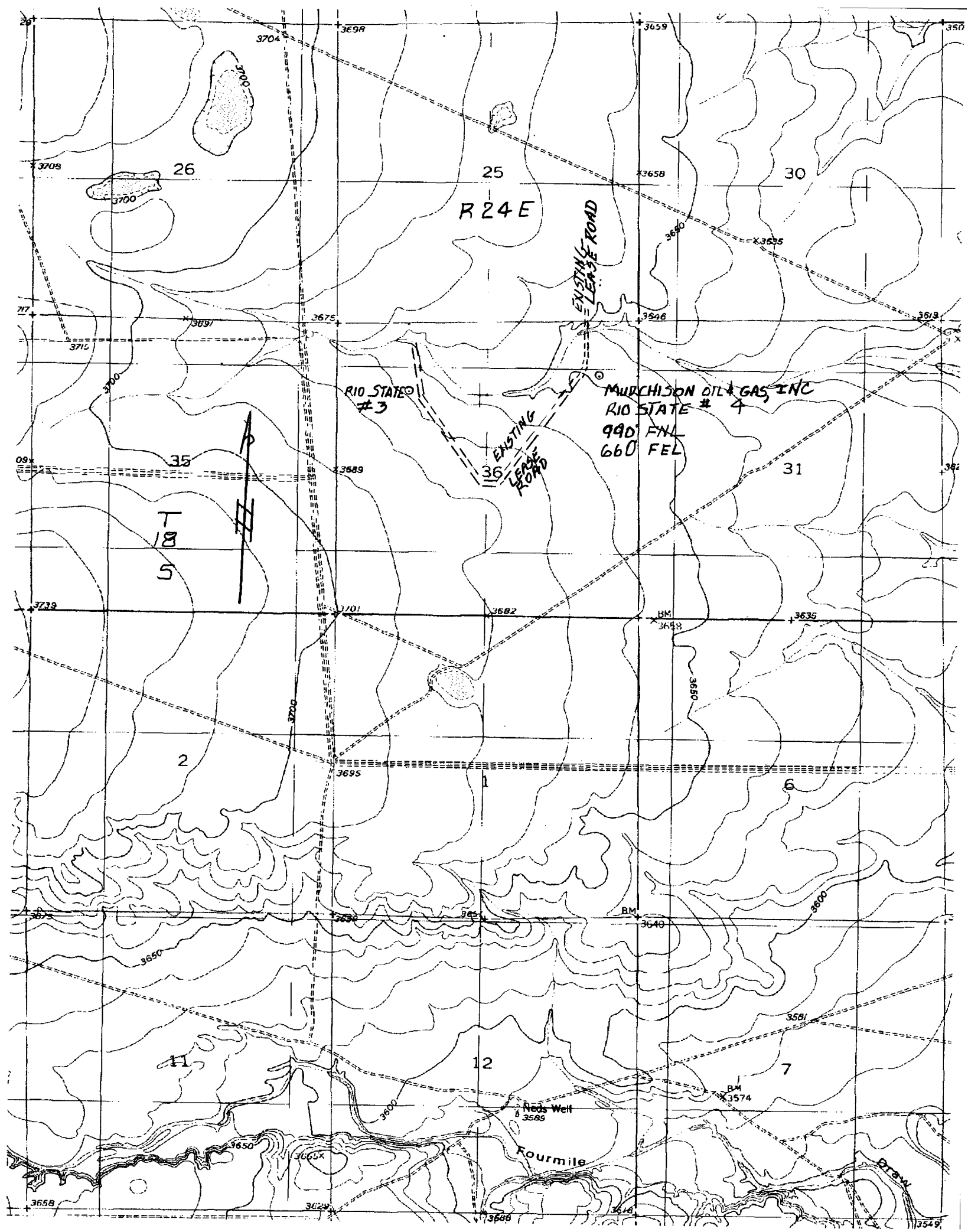
CT/RioSt#4-C101&102etc

Encl.

WELL AND ROAD LOCATION SKETCH



PREPARED FOR: MURCHISON OIL & GAS, INC.
PREPARED BY: DAN R. REDDY NM PE&PS #5412
FEB. 13, 2006



MURCHISON OIL & GAS, INC.

**RIO STATE #4
SEC. 36, T18S, R24E
990' FNL & 660' FEL
EDDY CO., NM.**

RECEIVED
FEB 21 2008
ODU-ARTS

MUD PROGRAM

<u>DEPTH</u>	<u>WEIGHT</u>	<u>CHLORIDES</u>	<u>VISCOSITY</u>	<u>FILTRATE</u>
0' – 360'	8.4	0 – 10K	32 – 36	NO CONTROL
360' – 1,150'	8.4	0 – 10K	28 – 29	NO CONTROL
1,150' – 5,200'	8.4 – 8.8	0 – 40K	28 – 29	NO CONTROL
5,200' – 8,000'	8.6 – 9.2	40 – 60K	28 – 29	25 WL
8,000' – 9,000'	8.8 – 9.4	50 – 70K	38 – 48	6 – 8 WL

PH to be maintained at 10 or above



February 16, 2006

Mr. Bryan Arrant
State of New Mexico
Oil Conservation Commission
1301 W. Grand Avenue
Artesia, New Mexico 88210

**RE: RIO ST #4
990' FNL & 660' FEL
SEC. 36, T18S, R24E
EDDY CO., NM.**


RECEIVED
FEB 21 2006
OCD-ARTESIA

Dear Bryan:

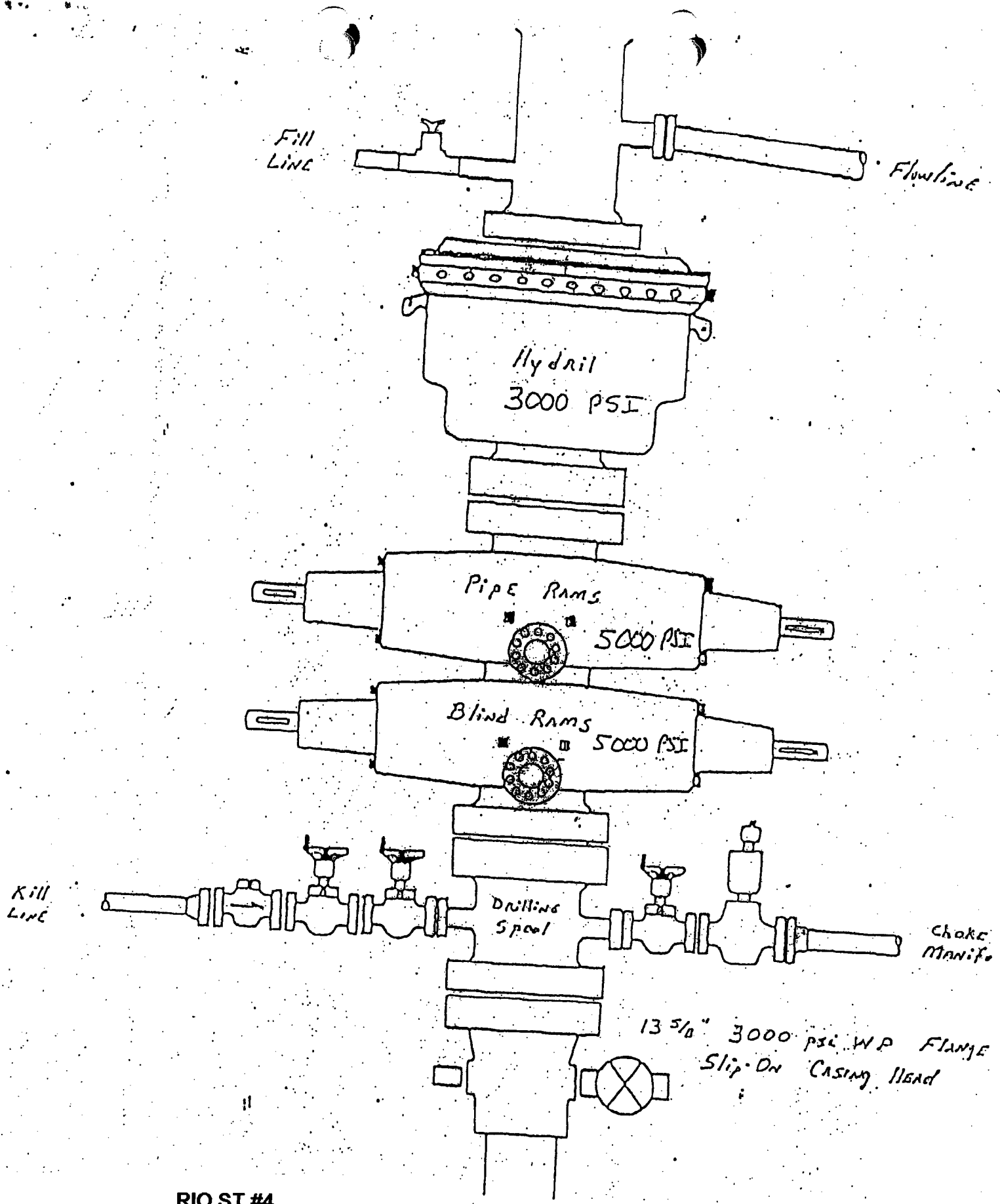
This letter is in reference to the OCD's requirements for H2S contingency plan for the above captioned well. No H2S is expected in the drilling of the above captioned well. H2S detection equipment will be installed prior to the top of the Delaware formation as a precautionary measure.

Very truly yours,

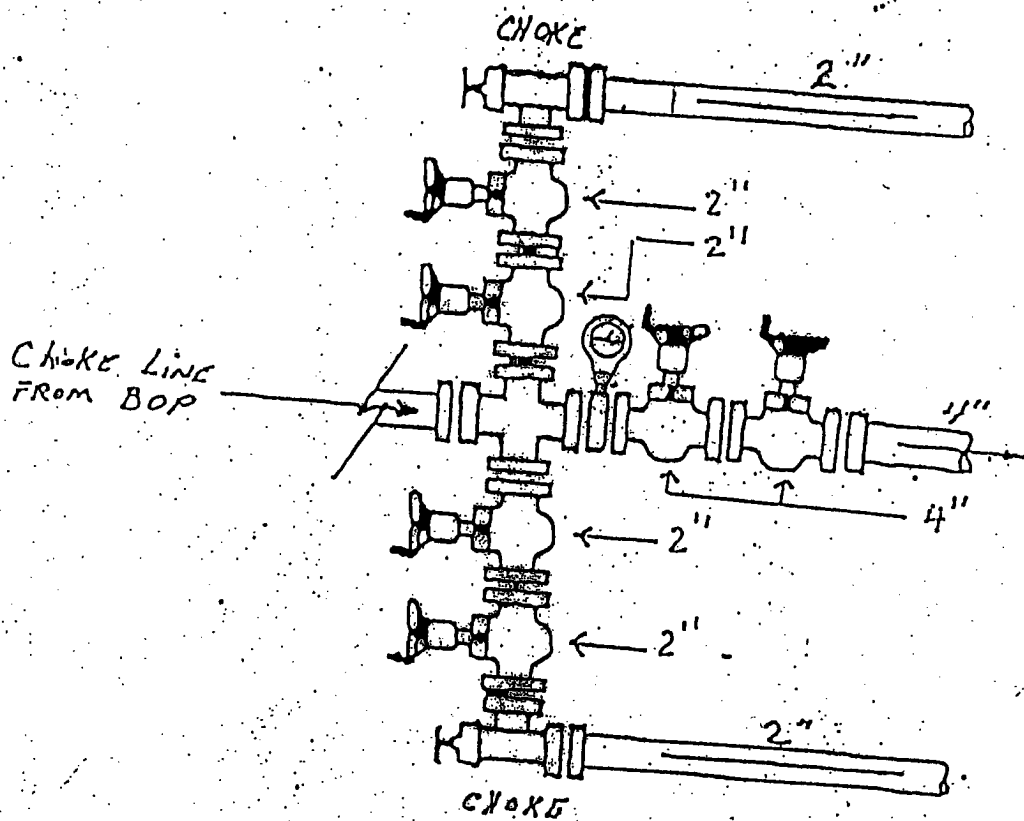
MURCHISON OIL & GAS, INC.


Michael S. Daugherty
Vice President Operations

MSD/ct/RioSt#4-OCDH2S



RIO ST #4
990' FNL & 660' FEL
SEC. 36, T18S, R24E
EDDY CO., NM.



RIO ST #4
 990' FNL & 660' FEL
 SEC. 36, T18S, R24E
 EDDY CO., NM.