

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, 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

RECEIVED

Form C-1015
May 27, 2004

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

AUG 09 2005

Submit to appropriate District Office

OCD-ARTEIA

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address MURCHISON OIL & GAS, INC. 1100 MIRA VISTA BLVD. PLANO, TX. 75093-4698		⁷ OGRID Number 015363
⁴ Property Code 35007	⁵ Property Name QUAIL ST COM	⁸ API Number 30 - 015-34261
⁹ Proposed Pool 1 Crew Flats ; Morrow, SE		⁶ Well No. 1
¹⁰ Proposed Pool 2		

⁷ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	8	17-S	28-E		1250	SOUTH	660	EAST	EDDY

⁸ Proposed 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

Additional Well Information

¹¹ Work Type Code N	¹² Well Type Code G	¹³ Cable/Rotary ROTARY	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 3549'
¹⁶ Multiple N	¹⁷ Proposed Depth 10100	¹⁸ Formation MORROW	¹⁹ Contractor PATTERSON	²⁰ Spud Date 10/1/2005
Depth to Groundwater		Distance from nearest fresh water well		Distance from nearest surface water
Pit: Liner: Synthetic <input checked="" type="checkbox"/> _____ mils thick Clay <input type="checkbox"/> Pit Volume: 30,000 bbls Drilling Method:				
Closed-Loop System <input type="checkbox"/> Fresh Water <input checked="" type="checkbox"/> Brine <input checked="" type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

C-144 Submitted

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17-1/2	13-3/8	61 #/FT	360	400 SXS	SURFACE
12-1/4	9-5/8	43.5 #/FT	1150	400 SXS	SURFACE
8-1/2	5-1/2	17 #/FT	10100	600 SXS	EST. TOC 6000'
Tie back					

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

DRILL, CASE & COMPLETE WELL IN MORROW FORMATION

BOP'S INCLUDE

- 1) HYDRILL DOUBLE RAM 11" X 3000 PSI
- 2) CHOKE MANIFOLD 11" X 5000 PSI FLANGED CONNECTIONS
- 3) SIX STATION ACCUMULATOR CLOSING UNIT W/ REMOTE CONTROL

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOC guidelines ☒, a general permit ☐, or an (attached) alternative OCD approved plan ☐.

Printed name: MICHAEL S. DAUGHERTY

Title: VICE PRESIDENT OPERATIONS

E-mail Address: mdaugherty@jdmii.com

Date: 8/8/2005

Phone: (972) 931-0700

OIL CONSERVATION DIVISION

Approved by:

Jim W. Green
District II Supervisor

Title:

Approval Date: AUG 19 2005

Expiration Date: AUG 19 2006

Condition:

CEMENT TO COVER ALL OIL,
GAS AND WATER BEARING
ZONES

29.5

Revised June 10, 2003

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

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State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code 96840	Pool Name
Property Code	Property Name QUAIL STATE COM	Well Number 1
OGRID No. 015363	Operation Name MURCHISON OIL & GAS, INC.	Elevation 3549

Surface Location

UL or Lot No. P	Section 8	Township 17-S	Range 28-E	Lot Idn.	Feet from the 1250	North/South line SOUTH	Feet from the 660	East/West line EAST	County EDDY
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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
Dedicated Acres 320	Joint or Infill	Consolidation Code	Order No.						

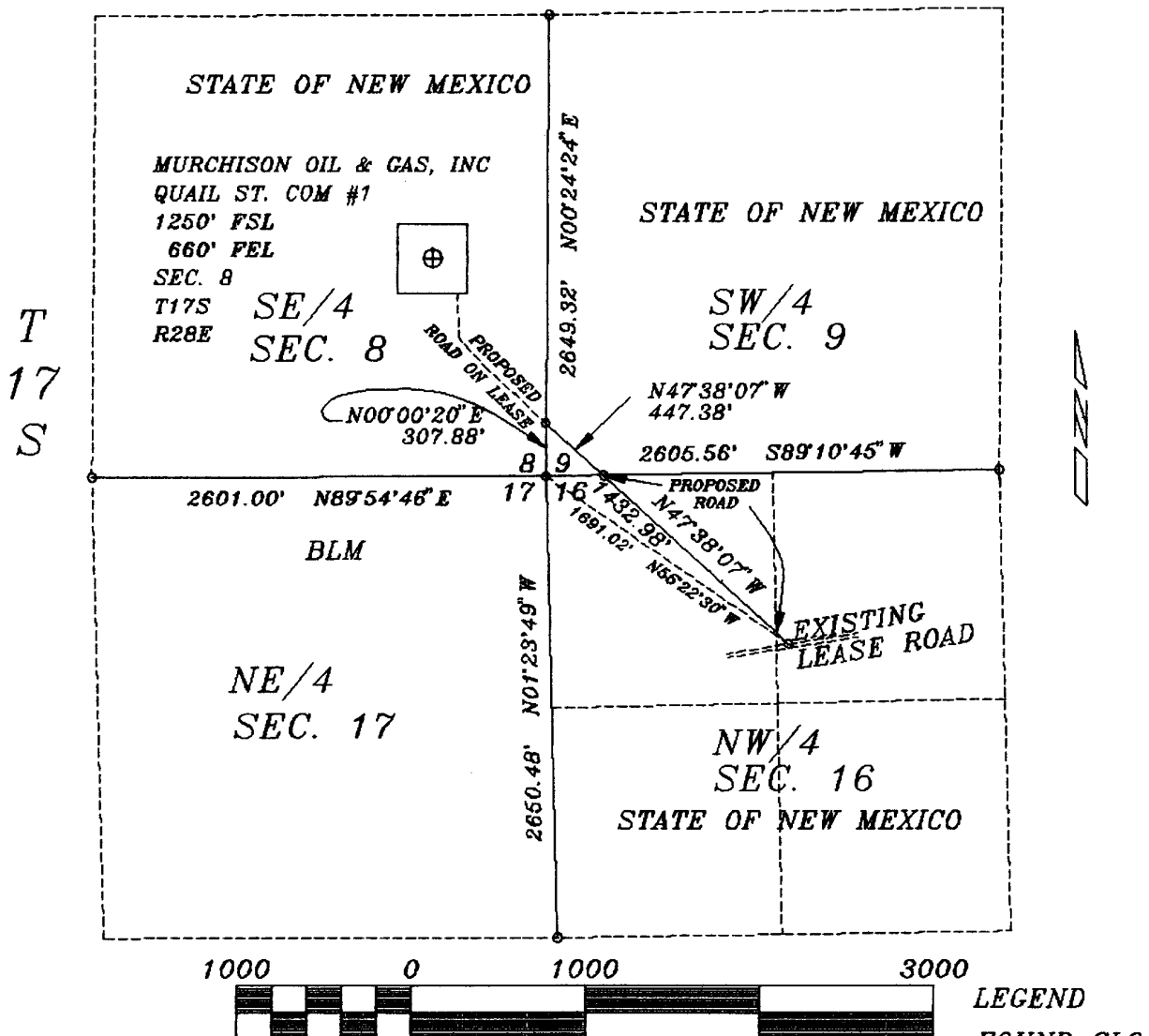
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTEREST HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	OPERATOR CERTIFICATION I HEREBY CERTIFY THAT THE INFORMATION CONTAINED HEREON IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.	
	Signature MICHAEL S. DAUGHERTY	
	Printed Name V P OPERATIONS mdaugherty@jdmii.com	
Title and E-mail Address 8/8/2005		Date
SPACING UNIT		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 KNOWLEDGE AND BELIEF.
LAT N32°50'41.8" LON W104°11'30.4"		JULY 26, 2005
660' 1250'		Date of Survey
SPACING UNIT		Signature and Seal of Professional Surveyor NEW MEXICO 5412 REGISTERED PROFESSIONAL SURVEYOR NM 4888PS Certificate Number

PROPOSED ROAD EASEMENT

A 30 FOOT ROAD EASEMENT LOCATED IN THE NW/4 OF SECTION 16, AND THE SW/4 OF SECTION 9, T17S, R28E, N.M.P.M., EDDY COUNTY, NEW MEXICO.

R28E



BASIS OF BEARING: NEW MEXICO STATE PLANE COORDINATE SYSTEM
(EAST ZONE NAD 1983)

DESCRIPTION: STATE OF NEW MEXICO-OWNER

A 30 FOOT ROAD EASEMENT LOCATED IN THE NW/4 OF SECTION 16, AND THE SW/4 OF SECTION 9, T17S, R28E, N.M.P.M., EDDY COUNTY, NEW MEXICO, BEING 15 FEET LEFT AND RIGHT OF THE FOLLOWING DESCRIBED CENTERLINE; BEGINNING AT A POINT ON AN EXISTING LEASE ROAD, WHENCE THE NW CORNER OF SAID SECTION 16 BEARS N55°22'30" W A DISTANCE OF 1691.02 FEET; THENCE N47°38'07" W A DISTANCE OF 1432.98 FEET TO THE NORTH LINE OF SAID SECTION 16; THENCE CONTINUING N47°38'07" W A DISTANCE OF 447.38 FEET TO A POINT ON THE WEST LINE OF SAID SECTION 9, WHENCE THE SW CORNER OF SAID SEC. 9 BEAR S00°00'20" W 307.88 FEET. CONTAINING 1.30 ACRES, MORE OR LESS.

NE/4 NW/4 SEC. 16 = 98.32 FEET = 5.84 RODS = 0.07 ACRES

NW/4 NW/4 SEC. 16 = 1336.66 FEET = 81.01 RODS = 0.92 ACRES

SW/4 SW/4 SEC. 9 = 447.38 FEET = 27.11 RODS = 0.31 ACRES

TOTAL 1879.76 FEET = 113.92 RODS = 1.30 ACRES

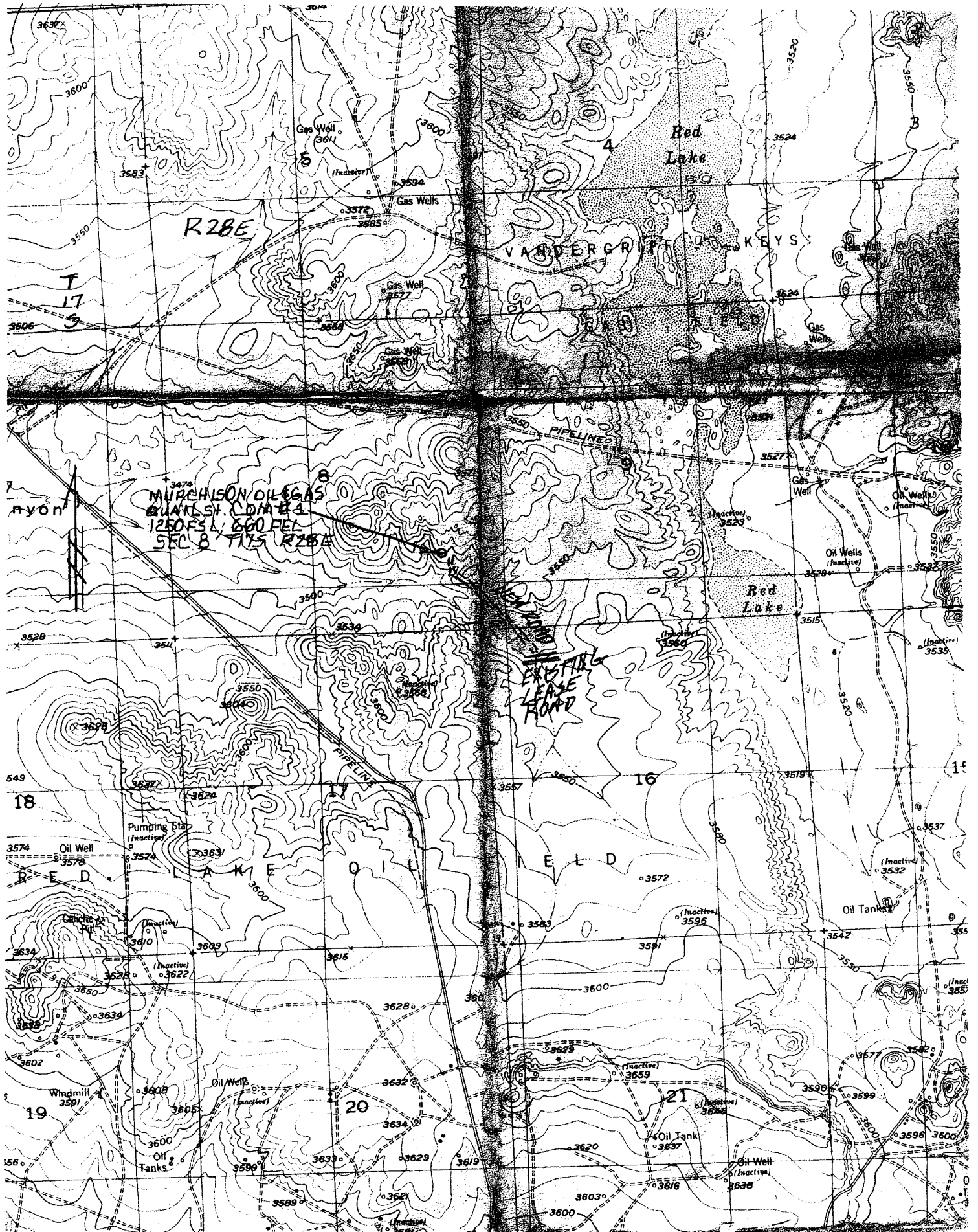
CERTIFICATION OF RESPONSIBLE SURVEYOR:

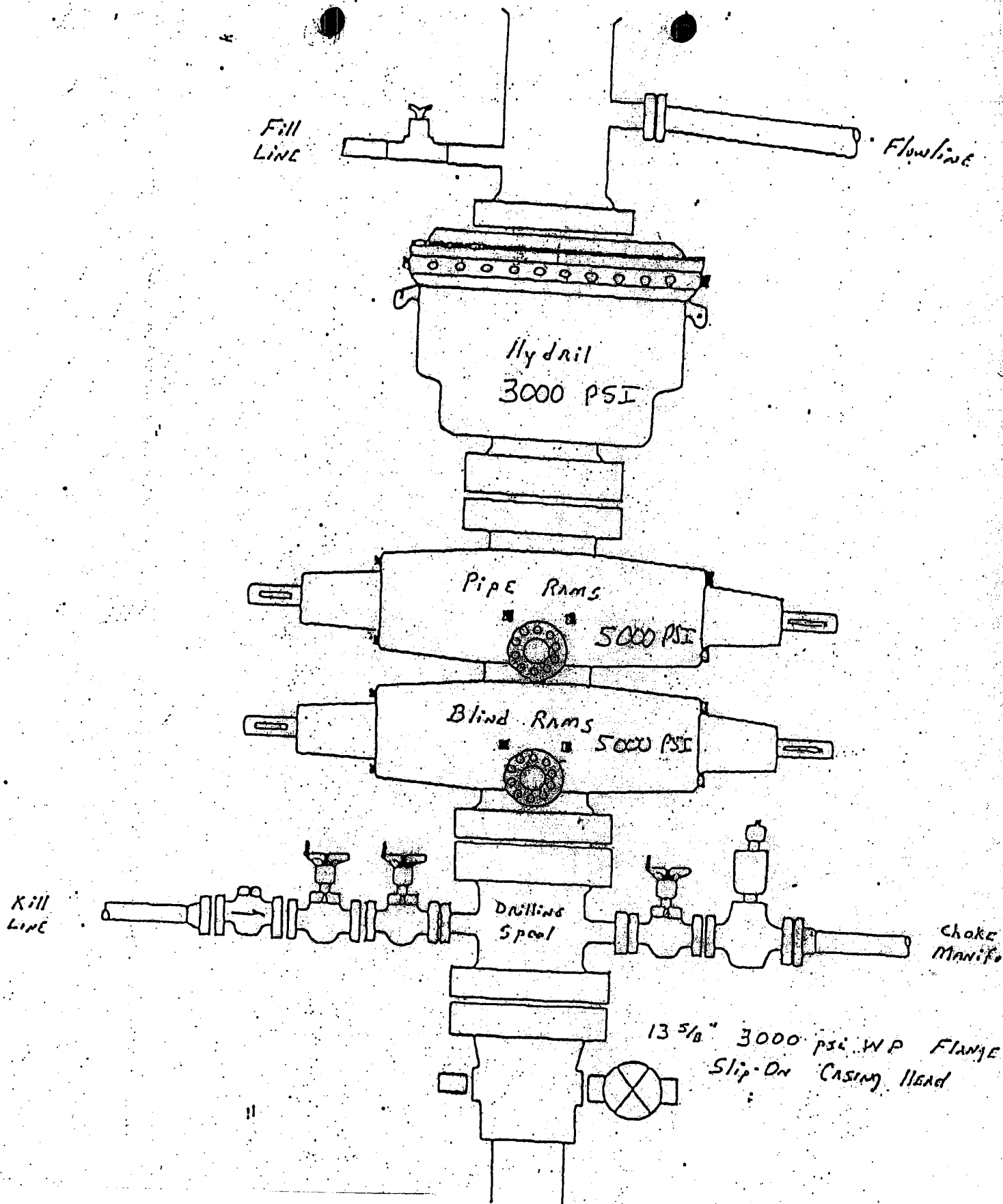
THIS IS TO CERTIFY THAT THE FOREGOING PLAT WAS MADE FROM FIELD NOTES OF A BONA FIDE SURVEY, MADE BY ME, MEETING THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO, AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Dan R. Reddy

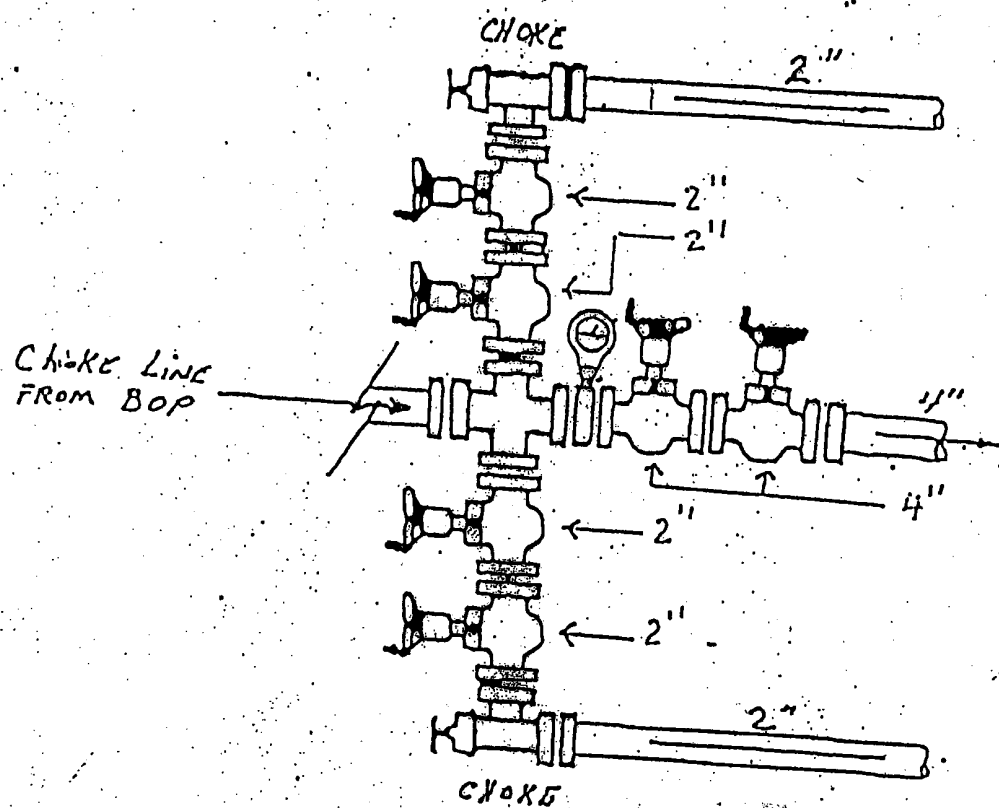
DAN R. REDDY NM PE&PS NO. 5412
401 W. GREENE ST./P.O. BOX 597
CARLSBAD, NM 88221-0597 505 887-6483
PREPARED FOR: MURCHISON OIL & GAS, INC.
SURVEYED: AUG. 2005







QUAIL ST COM #1
1250' FSL & 660' FEL
SEC. 8, T17S, R28E
EDDY CO., NM.



QUAIL ST COM #1
 1250' FSL & 660' FEL
 SEC. 8, T17S, R28E
 EDDY CO., NM.