

District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

Energy Minerals and Natural Resources

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Form C-101
Revised March 17, 1999

Submit to appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies
☐ AMENDED REPORT

AUG 25 2002
RECEIVED
OCD - ARTESIA

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

Operator Name and Address
CONCHO OIL & GAS CORP.
110 WEST LOUISIANA SUITE 410
MIDLAND, TEXAS 79701

OGRID Number

API Number

30-015-32410

Well No.

2

Property Name
STATE "IE" COM.

Surface Location

UL or lot no.	Section	Township	Range	Location	Feet from the	North/South line	Feet from the	East/West line	County
M	16	22S	26E		660'	South	660'	West	EDDY CO.

Proposed Bottom Hole Location If

UL or lot no.	Section	Township	Range	Location	Feet from the	County
Proposed Pool I						
HAPPY VALLEY-MORROW GAS (78060)						

Cement to cover all oil, gas and
water bearing zones.

Work Type Code	Well Type Code	Casing Rotary	Lease Type Code	Ground Level Elevation
N	G	ROTARY	S	3437'
Multiple	Proposed Depth	Formation	Contractor	Spud Date
NO	11,900	MORROW	Patterson	When approved

Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
25"	20"	Conductor	40'	Redi-mix	Surface
17½"	13 3/8"	48	600'	500 Sx.	Surface
12½"	9 5/8"	40	2300'	650 Sx.	Surface
8 3/4"	5½"	17	11,900'	1050 Sx.	7000'

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.

1. Drill 25" hole to 40'. Set 40' of 20" conductor pipe and cement to surface with Redi-mix.
2. Drill 17½" hole to 600'. Run and set 600' of 13 3/8" 48# H-40 ST&C casing. Cement with 500 Sx. of Class "C" cement + 2% CaCl, + ¼# Flocele/Sx. circulate cement to surface.
3. Drill 12½" hole to 2300'. Run and set 2300' of 9 5/8" 40# S-80 & J-55 ST&C casing. Cement with 550 Sx. of Class "C" light weight cement + additives, tail in with 500 Sx. of Class "C" cement + 2% CaCl, + ¼# Flacele/Sx. circulate cement to surface.
4. Drill 8 3/4" hole to 11,900'. Run and set 11,900' of 5½" casing as follows: 1500' of 5½" 17# S-95 LT&C, 7300' of 17# N-80 LT&C, 3100' of 5½" 17# N-80 Buttress. Cement with 550 Sx. of Class "H" Light weight Cement + additives, tail in with 500 Sx. of Class "H" Premium Plus cement + additives, estimate top of cement 7000' from surface.

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

Signature

Printed Name: Joe T. Janica

Title: Agent

Date: 08/21/02

Phone: 505-391-8503

OIL CONSERVATION DIVISION

Approved by:

ORIGINAL SIGNED BY TIM W. GUM
DISTRICT II SUPERVISOR

Title:

Approval Date:

AUG 26 2002

Expiration Date:

AUG 26 2003

Conditions of Approval:

DISTRICT I
P.O. Box 1880, Hobbs, NM 88241-1880

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised February 10, 1994
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0719

OIL CONSERVATION DIVISION

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

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

DISTRICT IV
P.O. BOX 2088, SANTA FE, N.M. 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number	Pool Code 78060	Pool Name HAPPY VALLEY-MORROW GAS
Property Code	Property Name STATE "IE" COM	Well Number 2
OGRID No. 193407	Operator Name CONCHO OIL & GAS CORPORATION	Elevation 3447'

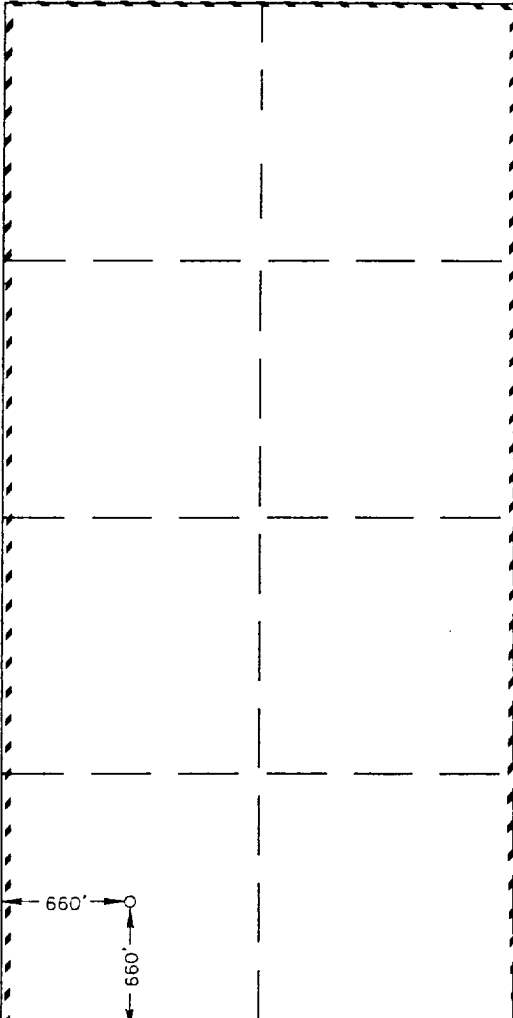
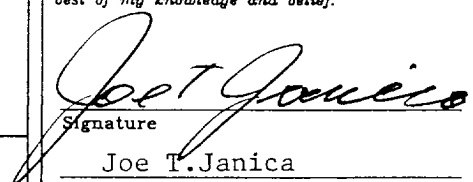
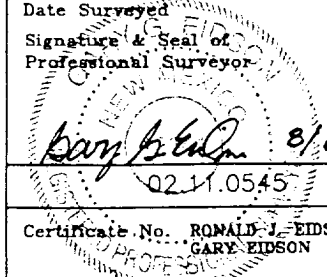
Surface Location

UL or lot No. M	Section 16	Township 22-S	Range 26-E	Lot Idn	Feet from the 660	North/South line SOUTH	Feet from the 660	East/West line WEST	County EDDY
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Bottom Hole Location If Different From Surface

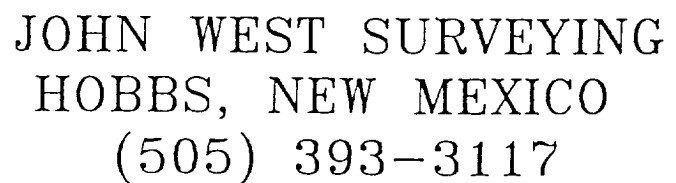
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 320	Joint or Infill	Consolidation Code	Order No.						

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

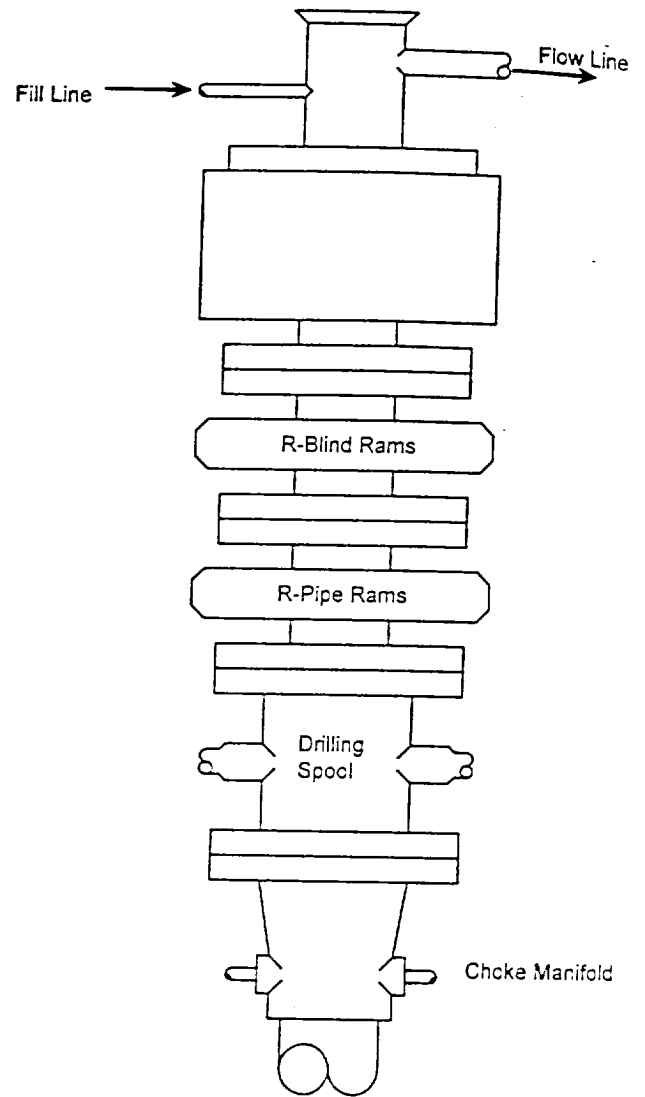
	GEODETIC COORDINATES NAD 27 NMEZ Y=504408.8 X=509133.5 LAT. 32°23'12.23"N LONG. 104°18'13.48"W	OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.  Signature Joe T. Janica Printed Name Agent Title 08/21/02 Date
		SURVEYOR 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. JULY 31, 2002 Date Surveyed Signature & Seal of Professional Surveyor  8/6/02
		Certificate No. RONALD J. EIDSON 3239 GARY EIDSON 12641



JOHN WEST SURVEYING
HOBBS, NEW MEXICO
(505) 393-3117

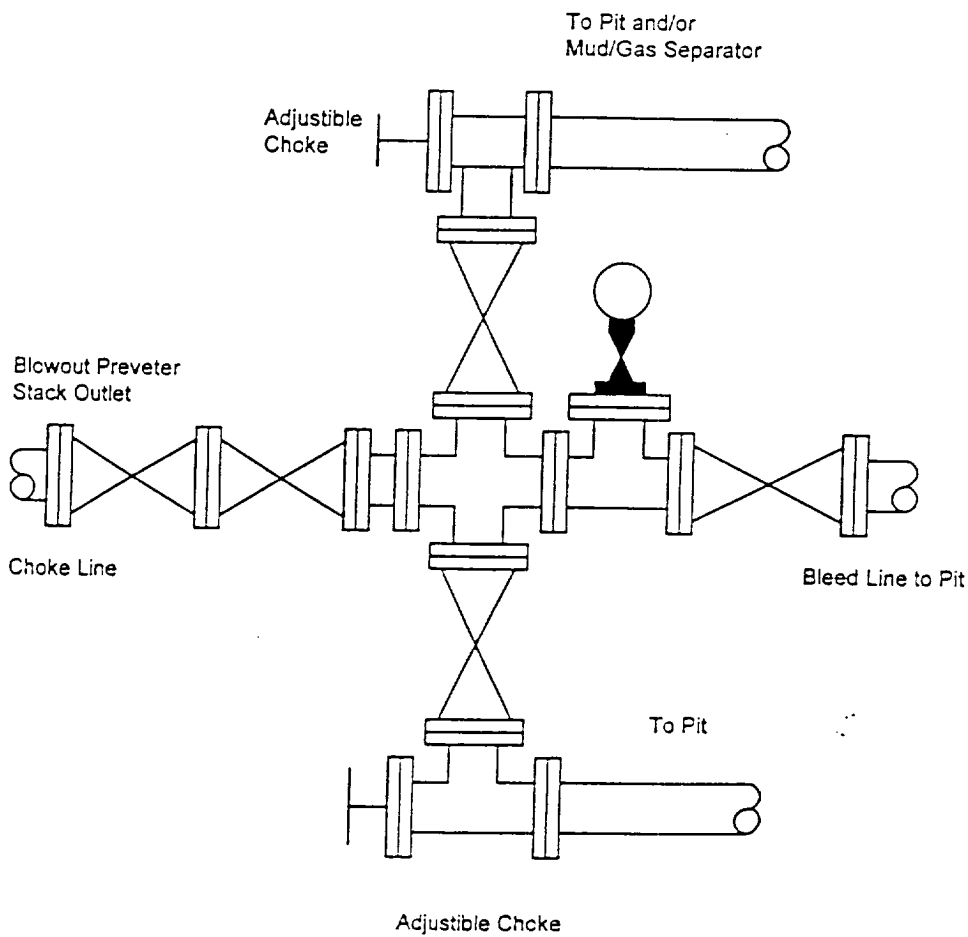


5000 PSI



Type 1500 SERIES
5000 psi WP

Choke Manifold Assembly for 5M WP System



Brian,

The following is the mud program for the wells that you requested. If you have any questions please give me a call 915-683-7443

State "IE" Com #2
Sec16-T22S-R26E
660' FSL & 660' FWL
Eddy County NM
11,900' Morrow Well

"CN" Com #2
Sec20-T22S-R26E
1200' FSL & 1200' FEL
Eddy County NM
11,900' Morrow Well

17 ½" hole to 600' w/ fresh water spud mud, paper for seepage. Mud wt 8.4-8.8 ppg. Vis 28-32

12 ¼" hole to 2300' w/ fresh water, lime and gel, paper for seepage. Mud wt 8.4-8.8 ppg. Vis 28- 32

8 3/4" hole to 11900' w/ cut brine, XCP polymer and starch, paper for seepage. Mud wt 8.4-10.5 ppg. Vis 28-40.

Thanks

Erick W. Nelson
Concho Oil & Gas