

Ray Westall

Division

1300

168

Received
Bureau of Land Management

UNITED STATES

DEPARTMENT OF THE INTERIOR

ARTESIA, NM 83210

34

6. LEASE DESIGNATION AND SERIAL NO.

LC 058709-A

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL

☒

DEEPEN

☐

b. TYPE OF WELL
Oil Carlsbad, N.M.

GAS

WELL

☒

WELL

☐

OTHER

SINGLE

ZONE

☒

MULTIPLE

ZONE

☐

2. NAME OF OPERATOR

Ray Westall

3. ADDRESS AND TELEPHONE NO.

P.O. Box 4, Loco Hills, NM 88255 505-677-2370

4. LOCATION OF WELL (REPORT LOCATION CLEARLY AND IN ACCORDANCE WITH ANY STATE REQUIREMENTS)

AT SURFACE 1300' FNL & 1350' FWL

AT PROPOSED PROD. ZONE

Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE

10 Miles Southeast of Loco Hills NM

16. DISTANCE FROM PROPOSED

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

1300'

(Also to nearest drlg. unit line, if any)

16. NO. OF ACRES IN LEASE

640

17. NO. OF ACRES ASSIGNED

TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION

TO NEAREST WELL DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

660'

19. PROPOSED DEPTH

3800'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

3742 Gr.

APPROX. DATE WORK WILL START

ASAP

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WT PER FT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8" J-55	32# St&C BRD	1000'	Circulated
7 7/8"	5 1/2" J-55	15#LT&C BRD	3800'	850 SXS "C" Circulated

ALL CASING WILL BE NEW

CEMENT WILL BE CIRCULATED ON T 8

CEMENT QUANTITIES AND ADDITIVES ARE SUBJECT TO CHANGE DUE TO HOLE CONDITIONS

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS

PROPOSED MUD PROGRAM

1000'	FRESH WATER w/ PAPER. MW 8.4 VIS-31
1000-3800'	BRINE WATER w/PAPER. MW 10.0 VIS 30

MUD PROGRAM SUBJECT TO CHANGE DUE TO HOLE CONDITIONS

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Randall Harris

TITLE

Geologist

DATE

3/7/97

(THIS SPACE FOR FEDERAL OR STATE OFFICE USE)

PERMIT NO.

APPROVAL DATE

Acting

APPLICATION APPROVAL DOES NOT WARRANT OR CERTIFY THAT THE APPLICANT HOLDS LEGAL OR EQUITABLE TITLE TO THOSE LANDS. IT IS THE APPLICANT'S RESPONSIBILITY TO OBTAIN THE NECESSARY TITLE TO CONDUCT OPERATIONS THEREON.

CONDITIONS OF APPROVAL IF ANY:

Assistant Field Manager,
Lands And Minerals

(ORIG. SGD.) ARMANDO A. LOPEZ

APPROVED BY

TITLE

DATE

JUN 30 2000

TITLE 18 U.S.C. SECTION 1001, MAKES IT A CRIME FOR ANY PERSONS KNOWINGLY AND WILLFULLY TO MAKE TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES ANY FALSE, FICTITIOUS OR FRAUDULENT STATEMENTS OR REPRESENTATIONS AS TO ANY MATTER WITHIN ITS JURISDICTION

APPROVED FOR 1 YEAR

RECEIVED
MAY 05 2000
BLM
ROSWELL, NM

Ray Westall

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

OPERATOR'S CO?**APPLICATION FOR PERMIT TO DRILL OR DEEPEN****1a. TYPE OF WORK**DRILL ☒DEEPEN ☐**b. TYPE OF WELL**

OIL

GAS

SINGLE

MULTIPLE

WELL ☒WELL ☐OTHER ☐ZONE ☒ZONE ☐**2. NAME OF OPERATOR**

Ray Westall

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GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED**

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DATE

3/7/97

(THIS SPACE FOR FEDERAL OR STATE OFFICE USE)

PERMIT NO.

APPROVAL DATE

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CONDITIONS OF APPROVAL IF ANY:

APPROVED BY

Jerry L. Ferguson

TITLE

ABM, Mancias

DATE

4/8/97

TITLE 18 U.S.C. SECTION 1001, MAKES IT A CRIME FOR ANY PERSONS KNOWINGLY AND WILLFULLY TO MAKE TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES ANY FALSE, FICTITIOUS OR FRAUDULENT STATEMENTS OR REPRESENTATIONS AS TO ANY MATTER WITHIN ITS JURISDICTION

RECEIVED

MAY 05 2000

BLM
ROSWELL, NM

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
		SITU GART
Property Code	Property Name	Well Number
	Taylor Unit	19
GRID No.	Operator Name	Elevation
	Ray Westall, Operator	3742

10 Surface Location

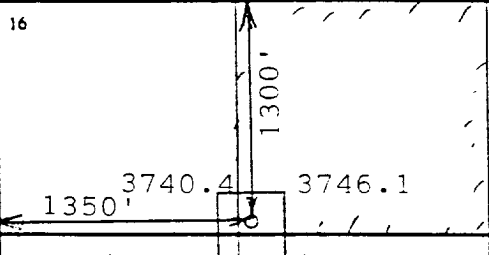
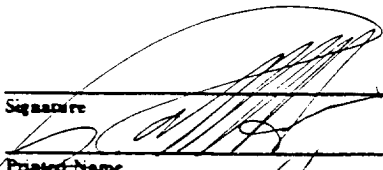
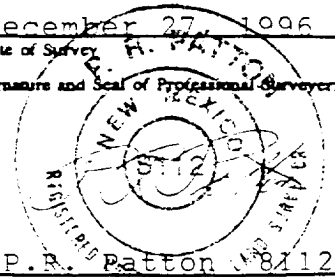
UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
C	13	18s	31e		1300	North	1350	West	Eddy

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres	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

16				17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature:  Printed Name: KENNETH HARRIS Title: GEOLOGIST Date: 3/7/97
				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. December 27, 1996 Date of Survey: H. PATTON Signature and Seal of Professional Surveyor:  P.R. Patton 08112 Certificate Number: 755194
RECEIVED MAY - 11 - 1996 BUREAU OF LAND MANAGEMENT RESEARCH RESOURCE AREA				

RECEIVED
MAY 05 2000
BLM
ROSWELL, NM

APPLICATION FOR DRILLING

Ray Westall
Taylor # 19
1300' FNL & 1350' FWL
Section 13
Township 18 South, Range 31 East
Eddy County, New Mexico

In conjunction with Form 3160-3, Application for Permit to Drill, Ray Westall submits the following ten items of pertinent information in accordance with BLM requirements:

1. Geological surface formation:

Quaternary.

2. Estimated tops of geologic markers are as follows:

B/Salt	2110
Yates	2380
Queen	3490

3. The estimated depths at which anticipated water, oil & gas formations are expected to be encountered:

<u>Water</u>	
Quaternary:	0-180'
<u>Oil and Gas</u>	
Queen:	3490-3550'

4. Casing program:
All casing will be new

Hole Size	Interval	Casing
12 1/4"	0-1000'	8 5/8" 32# J-55 ST&C
7 7/8"	1000-3800'	5 1/2" 15.5# J-55 ST&C

Cement Program:

- | | |
|--------|--|
| 8 5/8" | Cemented to surface with 350 sxs "C" with 1/4 lb/sk Cellophane Flakes + 2% CaCl. |
| 5 1/2" | Cemented to surface with 850 sxs "C" 2% CaCl, and 5# per sack NACL. |

5. Pressure Control Equipment:

The blowout preventor equipment (BOP) shown in Exhibit #1 will consist of a 3M system double ram type (3000 psi WP) preventor. The BOP will be installed on the 8 5/8" surface casing and utilized continuously until total depth is reached. Prior to drilling out the casing shoe, the BOP will be function tested.

6. Mud Program:

Depth	Type	Weight	Viscosity
0-1000'	Fresh Water	8.4	31-33
1000-3800	Brine Water	10.0	30

7. Auxiliary Equipment:

A kelly cock will be in the drill string at all times.

8. Logging Program:

No drillstem tests are planned.

DLL-Gr., Caliper TD to Surface casing,

CNL/FDC-Gr. and Caliper TD to Surface casing

CNL/GR TD to surface.

9. Abnormal Pressures, Temperatures and Potential Hazards:

No abnormal pressures or temperatures are anticipated.
Estimated BHP is 1200#, Estimated BHT is 106.F. No major
loss circulation intervals have been encountered in adjacent
wells.

10. Anticipated starting date:

As soon as possible.

Duration:

6 days drilling
8 days completion

MULTI-POINT SURFACE USE AND OPERATIONS PLAN

RAY WESTALL
Taylor Unit #19

This plan is submitted with form 3160-3, Application for Permit to Drill, covering the above described well. The purpose of this plan is to describe the location of the proposed well, the proposed construction activities and operations plan, the magnitude of surface disturbance involved, and the procedures to be followed in rehabilitating the surface after completion of the operations, so that a complete appraisal can be made of the environmental effect associated with the operation.

1. Existing Roads.

Exhibit A is a portion of a county road map showing the roads in the vicinity of the proposed location.

2. Planned Access Road.

Approximately 390' of new road will be constructed.

Directions:

Proceed west from Loco Hills to state road 222. Turn south 4 miles to Westall Road, turn east one mile, north-east 1.8 miles the new road will start here and go south.

3. Location of Existing Wells.

Exhibit B is a topo map showing the existing wells.

4. Location of Existing/or proposed Facilities:

If productive a 3" SDR-7 flow line will be routed along existing ROW to the Taylor Unit Facility located in the NWSE of section 12. A three phase power line and poles will be routed along existing ROW.

5. Location and Type of Water Supply.

It is planned to drill the proposed well with fresh and brine water system. The water will be obtained from commercial sources and will be hauled to the location by truck.

6. Source of Construction Materials.

Caliche will be obtained from construction of the reserve pits. If not enough is obtained from the pit then location and road will be hauled in from an approved caliche pit.

7. Methods of Handling Waste Disposal.

- A. Drill cuttings will be disposed of in the reserve pit.
- B. Drilling fluids will be allowed to evaporate in the reserve pits until the pits are dry.
- C. Produced water during operations will be stored in reserve pits until dry.
- D. Oil produced during operations will be stored in tanks until sold.
- E. Current laws and regulations pertaining to the disposal of human waste will be complied with.
- F. Trash, waste paper, garbage and junk will be stored in a wire cage preventing blowing or scattering by the wind. After drilling and completion all waste will be removed to an approved site.

8. Ancillary Facilities

None required.

9. Wellsite Layout.

Exhibit C shows the relative location and dimensions of the well pad, the reserve pits, a 400' X 400' area has been staked and flagged.

10. Plans For Restoration of The Surface.

- A. After finishing drilling and completion operations, all equipment and other material not needed for further operations will be removed. The location will be cleaned of all trash and junk to leave the wellsite in as aesthetically pleasing a condition as possible.
- B. Unguarded pits, if any containing fluids will be fenced until they have been filled.
- C. If the proposed well is non-productive, all rehabilitation and or vegetation requirements of the BLM and USGS will be complied with and will be accomplished as expeditiously as possible. All pits will be filled and leveled within 90 days after abandonment.

11. Other Information:

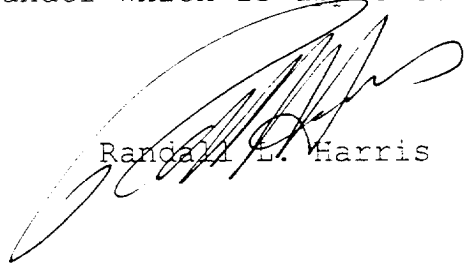
- A. Topography: The land surface in the vicinity of the wellsite is sandy loam soil.
- B. Flora and Fauna: The vegetation cover consists of prairie grass, greasewood and miscellaneous desert growth. No wildlife was observed, but wildlife in the area probably includes those typical of semi-arid desert land. The area is used for cattle grazing.
- C. There are no ponds, lakes or rivers in the area.
- D. There are no inhabited dwellings in the vicinity of the proposed well.
- E. Surface ownership is federal.
- F. Evidence of archeological sites has been reported and previously filed by Archaeological Survey Consultants.

12. Operator's Representative:

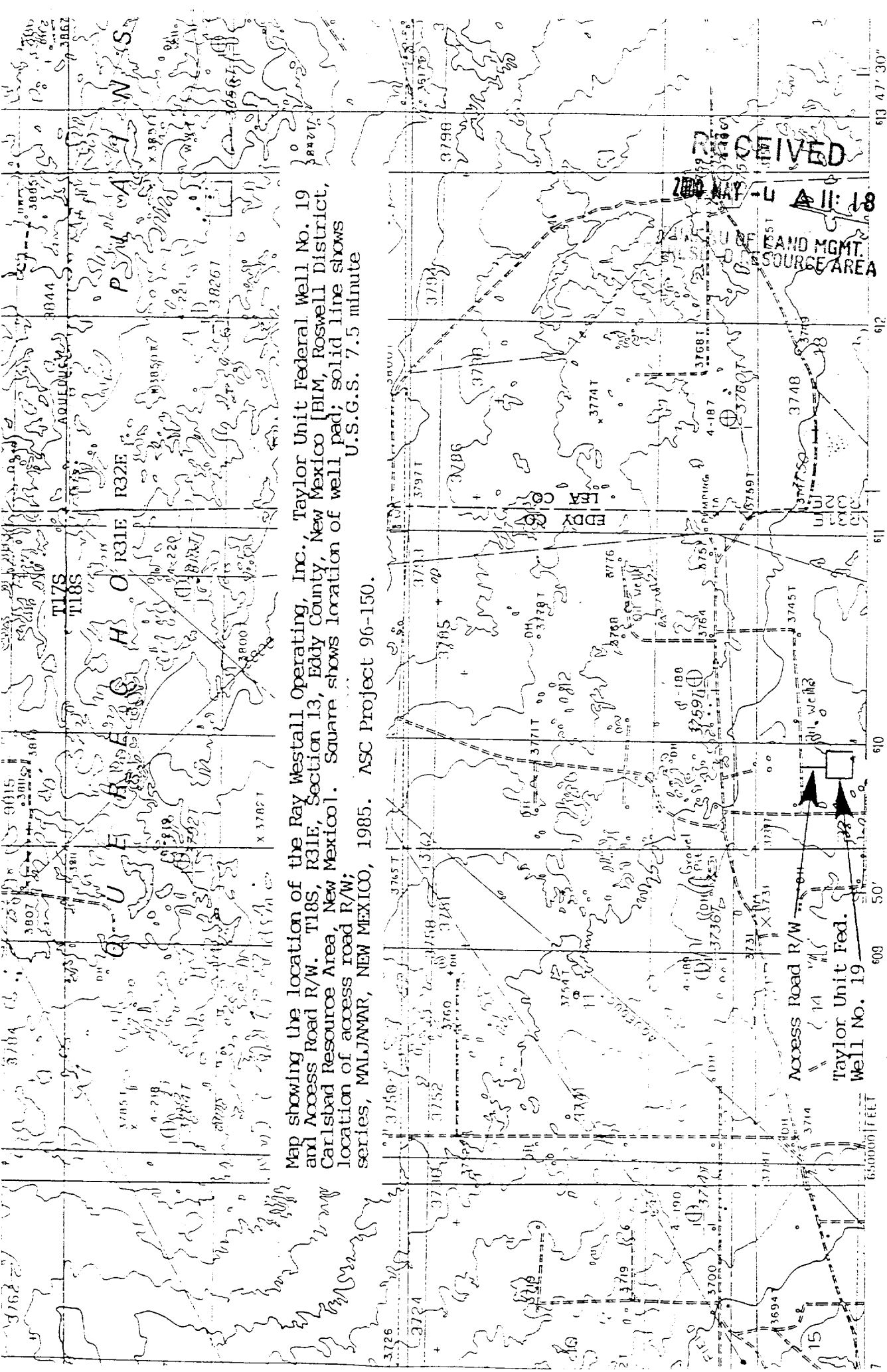
Ray Westall
P.O. Box 4,
Loco Hills, NM 88255
(505) 677-2370

13. Certification:

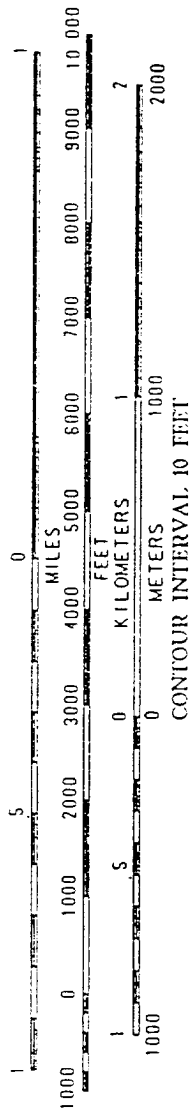
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route, that I am familiar with the conditions which presently exist; that the statements made in this plan are to the best of my knowledge true and correct; and that the work associated with the operation proposed herein will be performed by the operator and it's subcontractors in conformity with this plan and the terms and conditions under which is approved.



Randall L. Harris



SCALE 1:24 000



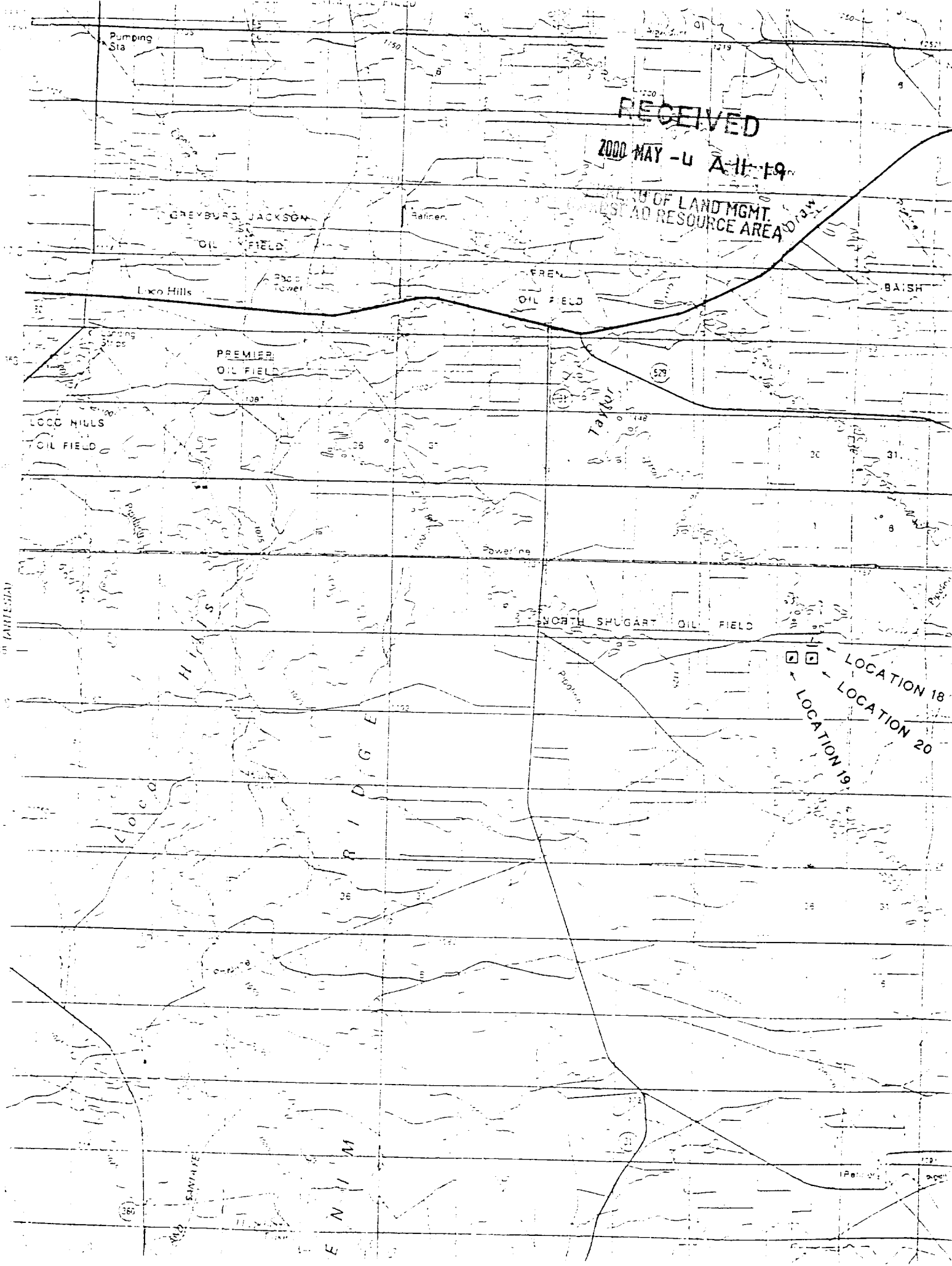
AL SURVEY
SCS NOS/NOAA
1978
1985
ISE MERCATOR
ZONE 13
CO, EAST ZONE
0 39' EAST
DATUM OF 1979
RICAN DATUM
um of 1983.

PRODUCTION MAP

RECEIVED

2000 MAY -4 A.M. 19

DEPT. OF LAND MGMT.
WILDLAND RESOURCE AREA



Original
LG 8368

She.
State
TD45-3
DIA 2 11 63

H.E. Yates, etal
HBP
20, E-882

(Amoco, etal)
2 Harvey E Yates
LG 8368

Yates Ener.
Prickley Pear.
Fed

"Mesquite 2 State"

H.E. Yates, etal
HBP
E-882

Montgomery
Mag. St.
TD 3425

State / Bn. Spr Disc.
P102

Yates Ener. etal, 1/2
(So. Roy
& Chevron)

Yates Ener 1/2
So. Roy
& Chevron
HBP

2538

2537

TAMANO UNIT
MARATHON (OPER.)

Yates Per
Thompson-Fed
SAD 50
P125

Sullivan
Judeck

10685

Marathon
029388

10 Tr 4
(Ohio)
Johnson "B"
Fed.
TD4200

(DD) 2-B

9 F335
P63
F484

Tr 6
P57
WON
2 B
Marathon
062052

Hudson
Marathon
Huggard

Westar
Hudson-Fed.
TD 11500
DIA 2 29 70
H.E. Yates
etal NE 1/4
062052

Tr. 8
Tr. 7
Hudson-Fed

Tr. 5
So. Roy
Anadarko
Tr 2
H. Yates
Fed
Johnson
Fed
Marathon
Huggard

Yates Ener. etal 1/2
(So. Roy, E, Chevron)
2538
Prickly
Pear Fed

Yates Ener 1/2
(So. Roy, E Chevron)
HBP
2537

H.E. Yates
Taylor Op Fed
TD 8902

1st Worth
Yates Ener
Prickly Pear Fed
Taylor
Fed.

So. Roy
4-058709

TD 4373

2 5
H. Yates
Taylor Op Fed
TD 8930

So. Roy
047800
H.E. Yates
Taylor
Fed
TD 6973
DIA 5 28 87
Comanche
Fed.

Malco-Taylor

2 Read
Stevens
ARCO
Camp-Fed.

ARCO
"A"
047633
Marathon Oil
Marathon Fed

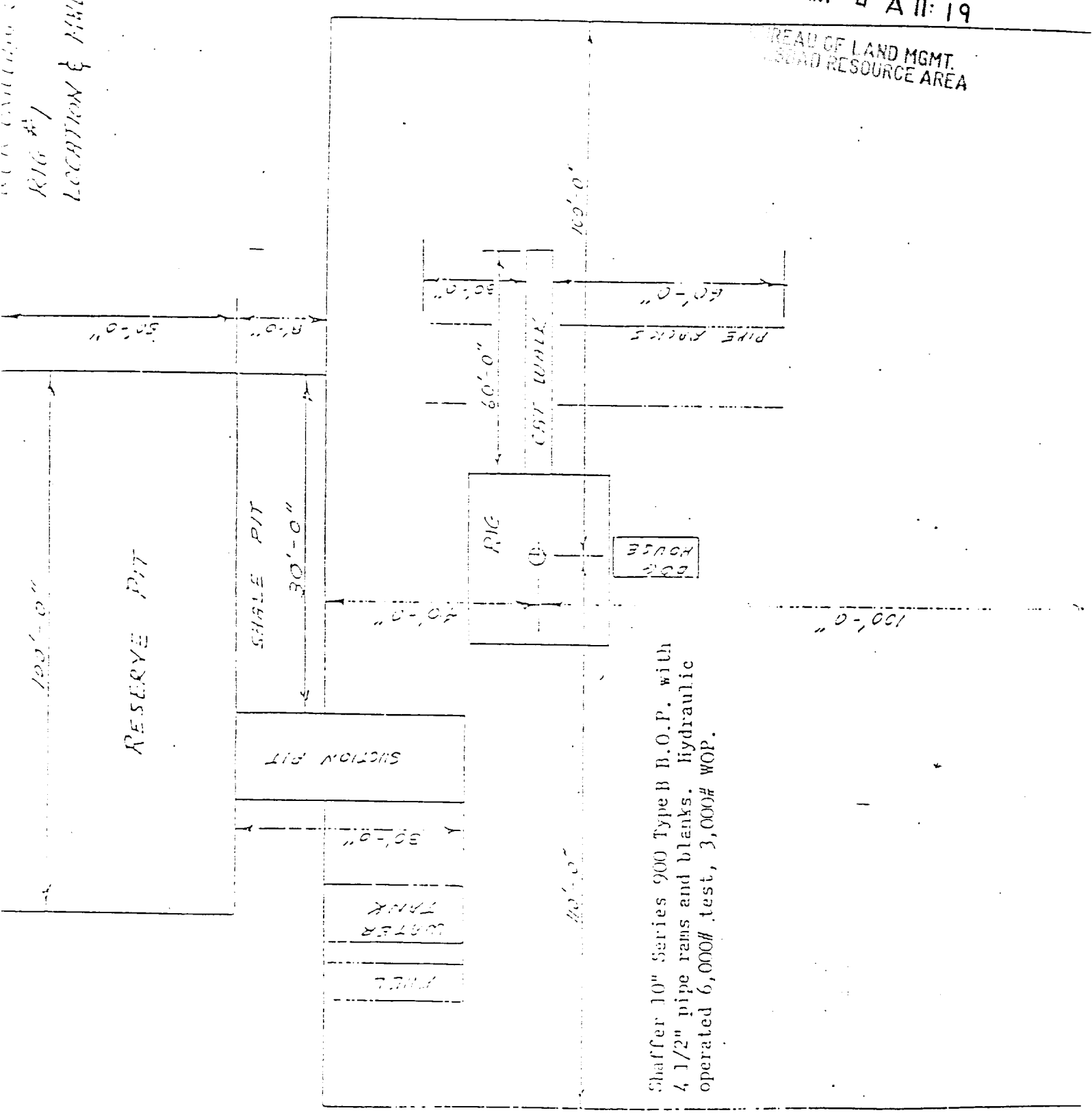
RECEIVED
MAY 19 1964
28096
(Read & Stevens)

So. Roy.
Malco-Taylor
TAYLOR UNIT
#19
#20
GRSJ PET (OPER)

H.E. Yates
2537
P113
Yates Ener. etal, 1/2

N
E
S

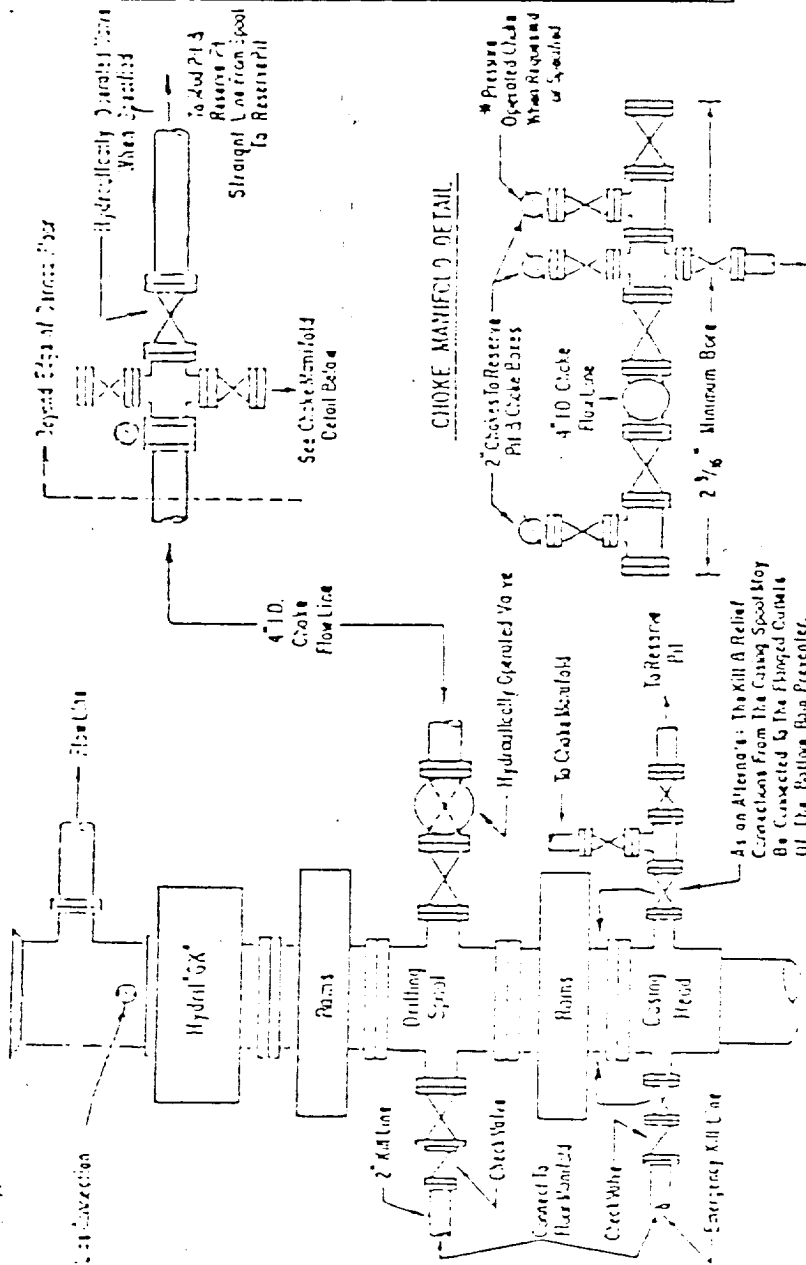
LOCATION & RWD PIT SPEC.



Shaffer 10" Series 900 Type B B.O.P. with
4, 1 1/2" pipe rams and blanks. Hydraulic
operated 6,000# test, 3,000# WOP.

RECEIVED
2000 MAY -4 A 11: 19
BUREAU OF LAND MGMT.
LAND RESOURCE AREA

CHL 100-3
Revised April, 1971



ADDITIONS - DELETIONS - CHANGES
SPECIFY

To Casing Spool

300 PSI WORKING PRESSURE BLOWOUT PREVENTER HOOK-UP

The blowout preventer assembly shall consist of one blind ram preventer and one pipe ram preventer, both hydraulically operated, a Hydr-O-Grip preventer, valves, chokes and connections as illustrated. If a tapered drill pipe is used, a ram preventer must be provided for each size of 20 pipe. Casing and tubing runs to fit the preventers are to be available as needed. If correct in size, the flanged outlets of the ram preventer are to be used for connecting to the 4 inch I.D. choke flow line and kill line, except when oil or gas drilling. The add-on structure height shall be sufficient to install a rotating blowout preventer.

Minimum operating equipment for the preventer or hydraulically operated valves shall be as follows: (1) Multiple pumps, driven by a casing-head source of power, capable of fluid charging the total accumulative volume from the nitrogen exchange pressure to the rated pressure within a precharge of nitrogen of not less than 750 PSI and connected so as to receive the aforementioned fluid charge. With the charging pump shut down, the precharged fluid volume stored in the accumulator must be sufficient to close all the primary operated devices simultaneously within _____ seconds after closure, the remaining accumulator pressure shall be not less than 1000 PSI with the remaining accumulator fluid volume at least _____ percent of the original. (2) When required, an additional source of power, remote and applicable, is to be available to operate the source pumps or there shall be additional pumps operated by separate power and equal in performance to the main pumps.

The choke manifold and remote drilling manifold shall have a separate control for each pressure-operated device. Controls are to be located, with control handles indicating open and closed position. A pressure indicator and regulator must be provided for operating the Hydr-O-Grip preventer. When required, a seal pressure indicator shall be available to limit operating fluid pressure to non-pressure area. Girth tightness for 20 hydraulic oil, seal equivalent or better, is to be used as the fluid to operate the hydraulic equipment.

The choke manifold, choke flow line, and choke lines are to be supported by metal stands and adequately anchored. The choke flow line and choke lines shall be constructed as straight as possible and without sharp bends. Tany and safe access is to be maintained to the choke manifold. All valves are to be selected for operation in the presence of oil, gas, and drilling fluids. The choke flow line valves connected to the drilling spool and all ram type preventers must be equipped with stem antennas, universal joints if needed, and hand wheels when one is ordered beyond the edge of the facility's infrastructure. All other valves are to be equipped with handles.