

All distances must be from the outer boundaries of the Section.

Operator Eagle Oil & Gas		Lease Loafer Draw Federal		Well No. #1
Unit Letter B	Section 28	Township 21 South	Range 22 East	County Eddy
Actual Footage Location of Well 925 feet from the North line and 2224 feet from the East line				
Ground Level Elev. 4408	Producing Formation Morrow	Pool Wildcat	Dedicated Acreage 320 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division

Harper Oil Co. (DO to Eagle Oil & Gas Co.) W/I partners on following sheet.		
Sec. 28, T.21 S., R.22 E., N.M.P.M.		

CERTIFICATION

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

George R. Smith

Name
George R. Smith
Position
Agent for:
Company
Eagle Oil & Gas Co.

Date
Dec. 22, 1983

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.

JOHN D. JAQUES
Date Surveyed
12/20/83
Registered Professional Engineer and/or Land Surveyor
John D. Jaques, P.E. & L.S.
Certificate No.
6290

DRAWWORKS

Brewster N-55.

Drum: 1-1/8" Lebus grooved

Compound: 2-engine oil bath chain drive

Brake: Hydromatic Parkersburg 40" Single

ENGINES

Two 410-H.P. D353TA Caterpillar Diesel.

DERRICK

Lee C. Moore, 131', 550,000 lb. nominal capacity.

SUBSTRUCTURE

Lee C. Moore, 10' high, 550,000 lb. nominal capacity.

MUD PUMPS

Pump No. 1: Emsco DB550. 550 H.P. with steel fluid end. 4 3/4" - 7 3/4" liners, 16" stroke. Compound-driven.

Pump No. 2: D-375 Emsco driven by D353 Caterpillar.

DRILL STRING

3000' 4 1/2" Grade E, 20 lb.

Tool Joints: 4 1/2" H-90, 6 1/4" OD,

11000' 4" Grade E, 14.00 lb.

Tool Joints: 3 1/2" H-90, 5" OD

Thirty Drilco spiral-grooved 6 1/2" OD, 2 1/4" ID' With 4" H-90 Joints.

Other sized drillpipe & drillcollars available.

BLOWOUT PREVENTERS

One Shaffer LWS hydraulic double 10" x 900 series. One Hydril 10" x 900 series.

Choke manifold 4" x 900 series flanged connections. Payne 4 valve accumulator closing unit.

MUD SYSTEM

3 - 10' wide steel pits, with 660 Bbl. capacity.

Complete low pressure circulating system, consisting of four submerged mud guns and two counter sunk jets in each pit. System utilizes a 6 x 8 centrifugal pump, powered by diesel.

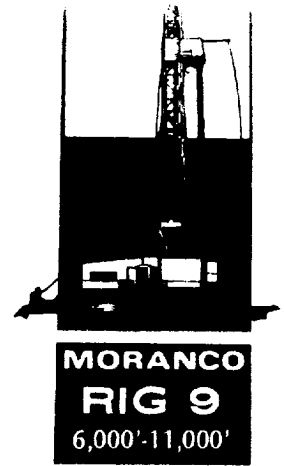


EXHIBIT "D"

EAGLE OIL & GAS CO.

Loafer Draw Federal, Well No.1
BOP Spec. and Location Plat

MUD HOUSE

One - 8' x 30' Steel Storage House.

COMMUNICATIONS

24-Hour direct telephone interconnection through Hobbs (A.C. 505-397-3291) or Midland - Odessa (A.C. 915-563-0562).

OTHER EQUIPMENT

BLOCKS - McKissick 350 Ton

HOOK - BJ4200 300 Ton

SWIVEL - NAT N47 200 Ton

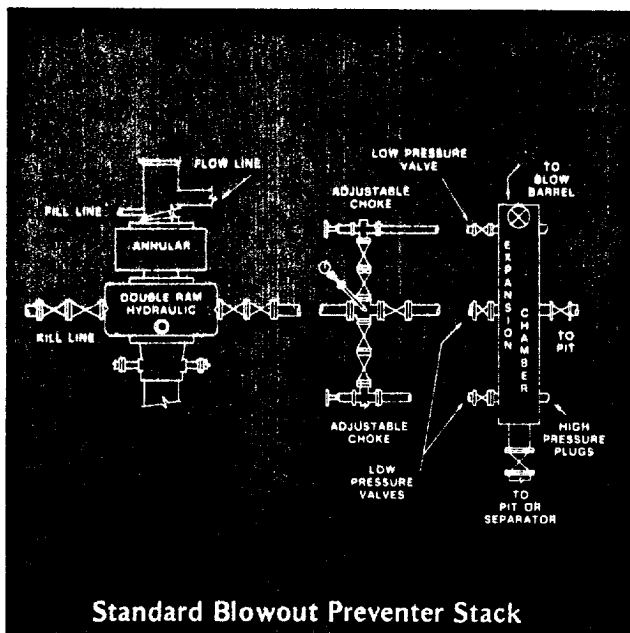
LIGHT PLANTS - two 15 KW AC generators, powered by diesel engines.

LIGHTS - AC fluorescent or mercury - All vapor proof.

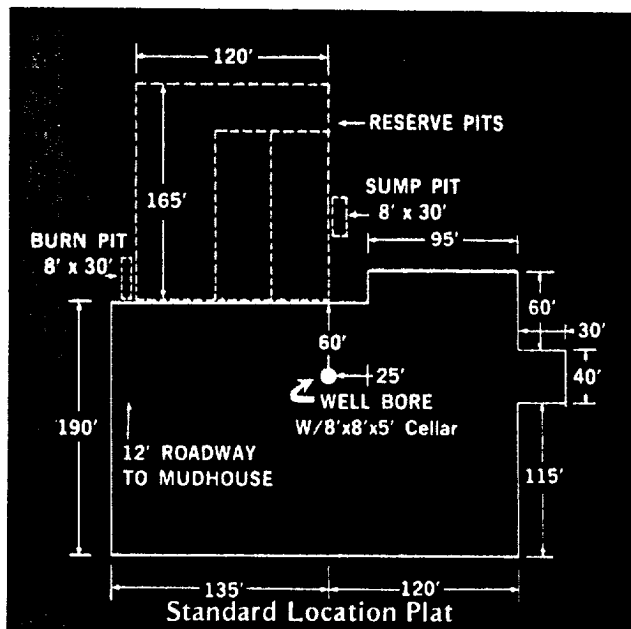
SHALE SHAKER - Link belt, single screen.

FRESH WATER STORAGE - two 500 Bbl., horizontal tanks.

HOUSING - 1 - 8' x 36' airconditioned trailer house, with sleeping and cooking facilities.



Standard Blowout Preventer Stack



APPLICATION FOR DRILLING

EAGLE OIL & GAS CO.
Loafer Draw Federal, Well No. 1
925' FNL & 2224' FEL, Sec. 28-T21S-R22E
Eddy County, New Mexico
Lease No.: NM-28145
(Exploratory Well)

In conjunction with Form 9-331C, Application for Permit to Drill subject well, Eagle Oil & Gas Co., submits the following items of pertinent information in accordance with BLM requirements:

1. The geologic surface formation is San Andres, which is recent Permian with quaternary alluvium and other surficial deposits.
2. The estimated tops of geologic markers are as follows:

Glorieta	1515'	Canyon Lime	7305'
Tubb	3245'	Strawn	7835'
Abo	3945'	Atoka	8540'
Wolfcamp	4885'	Morrow	8920'
Cisco	6350'	Chester	9260'
		T. D.	9400'
3. The estimated depths at which anticipated water, oil or gas formations are expected to be encountered:

Water: Surface water between 50' - 250'.

Oil: Glorieta between 1515' - 1800'.
Abo between 3945' - 4350'.

Gas: Strawn between 7940' - 8350'.
Atoka between 8540' - 8700'.
Morrow between 8920' - 9260'.
4. Proposed Casing Program: See Form 9-331C.
5. Pressure Control Equipment: See Form 9-331C and Exhibit "D".
6. Mud Program: See Form 9-331C.
7. Auxiliary Equipment: Blowout preventer, gas detector, kelly cock, pit level monitor, flow sensors and stabbing valve.
8. Testing, Logging and Coring Program:

Drill Stem Tests: One possible in the Morrow 8920' - 9260'.

Logging: Dual Ind. Laterolog	Int. Csg. to T. D.
Litho-Density Comp. Neutron	Int. Csg. to T. D.
Micro-log	Int. Csg. to T. D.

Coring: None.
9. No abnormal pressures or temperatures are anticipated. In the event abnormal pressures are encountered the proposed mud program will be modified to increase the mud weight.
10. Anticipated starting date: December 27, 1983.
Anticipated completion of drilling operations: Approximately 30 days.

104° 45'
32° 30'

