

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
SUBMIT IN TRIPLICATE*

(Other instructions on
reverse page)

O. C. D.

ARTESIA OFFICE

Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

30-015-25051

LEASE DESIGNATION AND SERIAL NO.

NM 14768-B

IF INDIAN, ALLOTTEE OR TRIBE NAME

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒

GAS
WELL ☐

OTHER ☐

SINGLE
ZONE ☒

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Gas Lift Sales & Service, Inc. ✓

3. ADDRESS OF OPERATOR

2209 West Industrial, Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

330' FNL & 330' FEL, Section 11

At proposed prod. zone

Same

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

6 miles Northeast

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

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

330'

16. NO. OF ACRES ASSIGNED

320

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,

OR APPLIED FOR, ON THIS LEASE, FT.

3400'

19. PROPOSED DEPTH

5600'

20. NO. OF ACRES ASSIGNED

40

20. ROTARY OR CABLE TOOLS

Rotary

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

3220 GR

22. APPROX. DATE WORK WILL START*

As soon as possible

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	54.50#	610'	640 SX CIRCULATE
12-1/4"	8-5/8"	24 & 32 #	2550'	1120 SX CIRCULATE
7-7/8"	5-1/2"	15.50#	5600'	330 SX

Drilling, Casing, and Cementing Program - See Exhibit E

BOP Program - See Exhibit F

Mud Program - See Exhibit G

Primary Objective : Bone Spring @ 5480' (oil)

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, 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

Pat Chummal

TITLE

President

DATE 9-21-84

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

10-10-84

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person 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.

INSTRUCTIONS

GENERAL: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

ITEM 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

ITEM 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

ITEM 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

ITEMS 15 AND 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

ITEM 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

NOTICE

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 25 U.S.C. 396; 43 CFR Part 3160.

PRINCIPAL PURPOSE: The information is to be used to process and evaluate your application for permit to drill, deepen, or plug back an oil or gas well.

ROUTINE USES: (1) The analysis of the applicant's proposal to discover and extract the Federal or Indian resources encountered. (2) The review of procedures and equipment and the projected impact on the land involved. (3) The evaluation of the effects of proposed operation on surface and subsurface water and other environmental impacts. (4)(5) Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions, as well as routine regulatory responsibility.

EFFECT OF NOT PROVIDING INFORMATION: Filing of this application and disclosure of the information is mandatory only if the lessee elects to initiate drilling operations on an oil and gas lease.

The Paperwork Reduction Act of 1980 (44 U.S.C. 3501 et seq) requires us to inform you that:

This information is being collected to allow evaluation of the technical, safety, and environmental factors involved with drilling for oil and/or gas on Federal and Indian oil and gas leases.

This information will be used to analyze and approve applications.

Response to this request is mandatory only if the lessee elects to initiate drilling operations on an oil and gas lease.

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-85

All distances must be from the outer boundaries of the Section

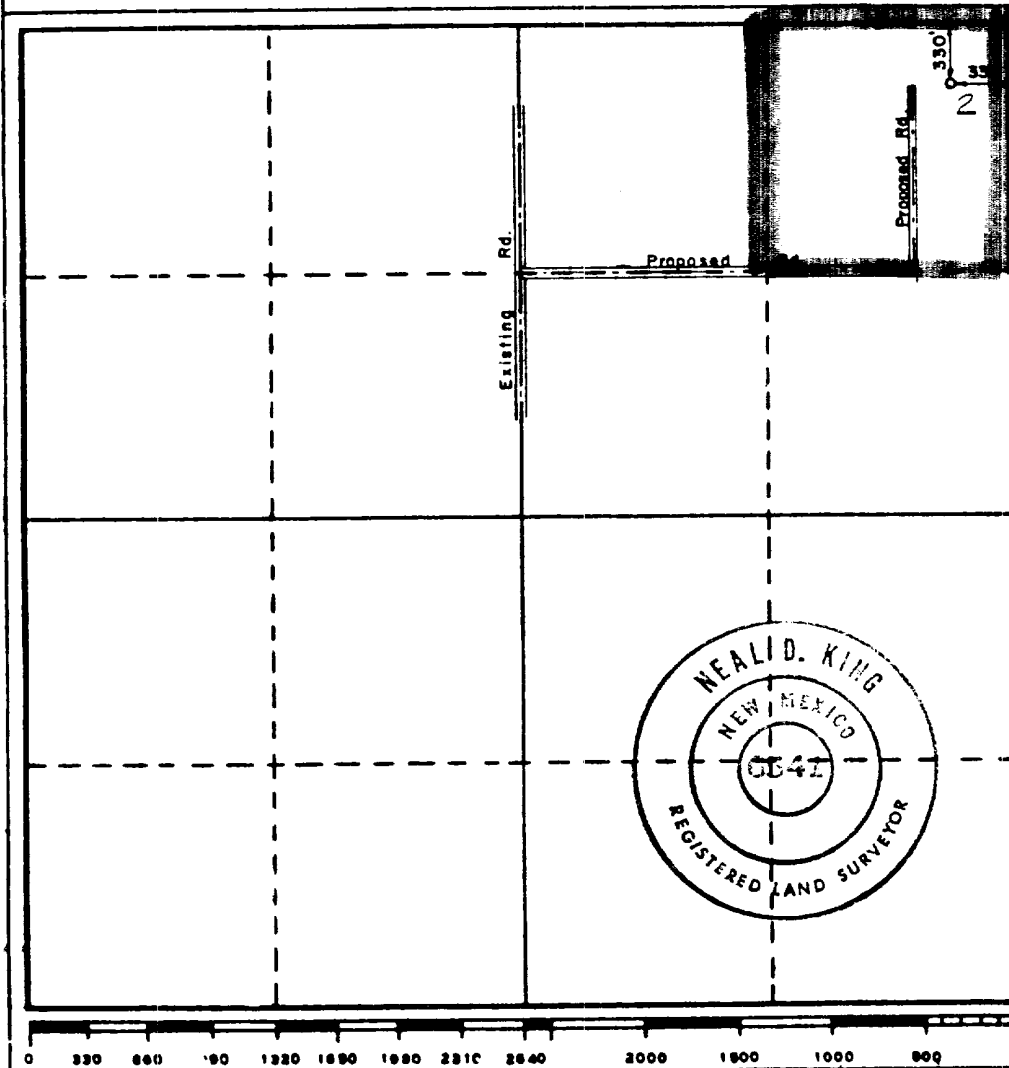
Operator Gas Lift Sales & Serv., Inc.			Lease Wilderspin		Well No. 2
Unit Letter A	Section 11	Township 21S	Range 27E	County Eddy	
Actual Footage Location of Well: 330 feet from the North line and 330 feet from the East line					
Ground Level Elev. 3220.3	Producing Formation Bone Springs		Pool Undesignated		Dedicated Acreage: 40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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 Commission.



CERTIFICATION

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

Tom Lundberg
Tom Lundberg

Name

Vice President

Position

Gas Lift Sales & Service, Inc

Company

Sept. 21, 1984

Date

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.

Date Surveyed

Sept. 14, 1984

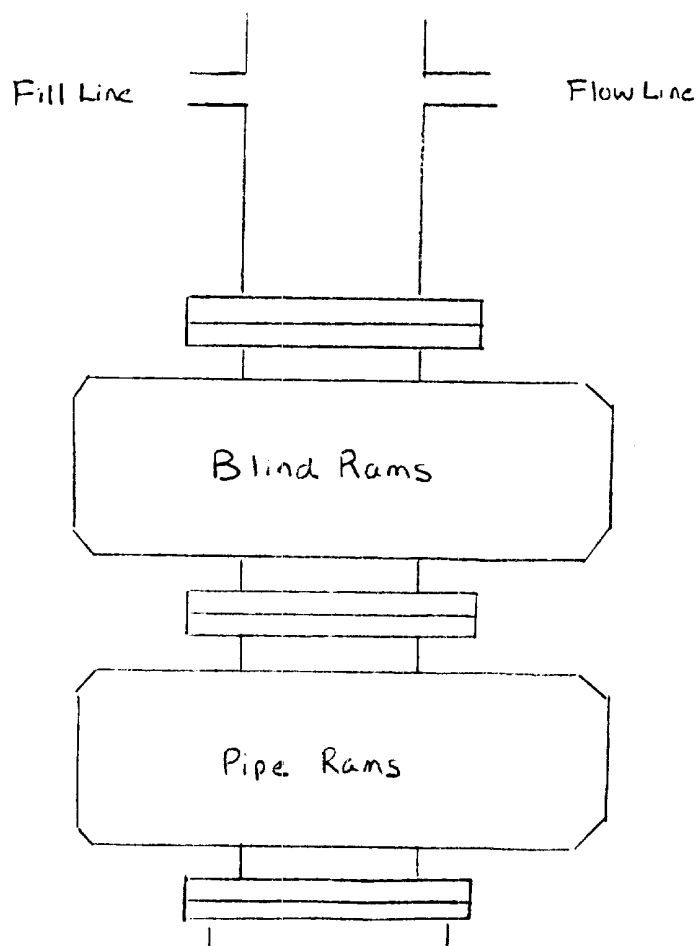
Registered Professional Engineer and/or Land Surveyor

Neal D. King
Certificate No. 6541

R.L.S.

Exhibit F - Blowout Preventer Stack

3000 psi Working Pressure



APPLICATION FOR DRILLING

Gas Lift Sales & Service, Inc.
Wilderspin Federal #2
330' FNL & 330' FEL
Section 11, T-21S, R-27E
Eddy County, New Mexico

In conjunction with Form 3160-3, Application for Permit to Drill, Deepen, or Plug Back, GAS LIFT SALES & SERVICE, INC. submits the following ten items of pertinent information in accordance with USGS requirements:

- 1.) The geological surface formation is Permian.
- 2.) The estimated tops of geological markers are as follows:
Yates 680'
Delaware 2650'
Bone Spring 5330"
- 3.) The estimated depths at which anticipated water, oil, or gas formations are expected to be encountered:
Water: less than 600'
Oil or Gas : Delaware - approximately 2650' to 5330'
 Bone Spring - approximately 5480' to 5510'
- 4.) Proposed Casing Program: See Form 3160-3 and Exhibit E
- 5.) Pressure Control Equipment: See Form 3160-3 and Exhibit F
- 6.) Mud Program: See Exhibit G
- 7.) Auxiliary Equipment: Standard auxiliary drilling equipment
- 8.) Testing, logging, and Coring Programs:
No DST's or cores are anticipated
Logging - Mud logging unit from 2550' to T.D.
 Electric logging program: Compensated Neutron-Density w/ Gamma Ray
 Dual Induction w/ Gamma Ray
- 9.) No abnormal pressures or temperatures are anticipated.
- 10.) Anticipated starting date: As soon as possible

A detailed topographic map of the Carlsbad area in New Mexico. The map features a grid system with numbers 1 through 36. Key locations include Carlsbad, La Huerta, and various ranches such as Salazar Flat, Murray Ranch, and Boyd Ranch. The map shows contour lines, roads, and geographical features like Alkali Lake and the Pecos River. A black arrow points to a specific location on the map, near the intersection of the grid lines 11 and 12. The map is labeled "EXHIBIT A" at the top left.

EXHIBIT G

AC 505
23-6862AC 505
336-4876
392-5616

MARRS MUD

a division of
Corral, Inc.1717 West Second St.
Roswell, New Mexico 88201Sales Office
P. O. Box 1119
Lovington, New Mexico 88260

COMPANY GAS LIFT SALES & SERVICE
 WELL WILDERSPIN FEDERAL #2
 FIELD _____
 LOCATION SECTION 11, T-21-S, R-27-E
 COUNTY EDDY STATE NEW MEXICO
 PROPOSED DEPTH 5,600'

PROPOSED MUD PROGRAMCASING PROGRAM:

13 3/8"	SURFACE	@	600'
8 5/8"	INTERMEDIATE	@	2,550'
5 1/2"	PRODUCTION	@	5,600'

SUGGESTED MUD PROPERTIES

DEPTH (FEET)	MU (LB)	THICK (FT)	VISCOSITY (SEC)	FLUID LOSS (ML)
100'	8.6 - 8.8		34 - 36	No Control
200'	8.7 - 9.0		34 - 36	No Control
300'	8.7 - 9.0		34 - 36	No Control
400'	8.7 - 9.0		34 - 36	No Control
500'	8.7 - 9.0		34 - 36	No Control
600'	8.7 - 9.0		34 - 36	No Control

Set 13 3/8" Surface Casing @ 600'. Drill out with ~~saturated~~ *Fresh*
~~Brine. water~~

1,000'	10.0 - 10.1	28 - 29	No Control
1,500'	10.0 - 10.1	28 - 29	No Control
2,000'	10.0 - 10.1	28 - 29	No Control
2,500'	10.0 - 10.1	28 - 29	No Control
2,550'	10.0 - 10.1	28 - 29	No Control

Set 8 5/8" Intermediate Casing @ 2,550'. Drill out with Fresh-water.

3,000'	8.4 - 8.6	33 - 36	20
3,500'	8.4 - 8.6	33 - 36	20
4,000'	8.4 - 8.6	33 - 36	20
4,500'	8.4 - 8.6	33 - 36	20
5,000'	8.4 - 8.6	33 - 36	20
5,500'	8.4 - 8.6	33 - 36	20
5,600'	8.4 - 8.6	33 - 36	20

Set 5 1/2" Production Casing @ 5,600'.

COUNTY **EDDY** FIELD **Fenton NW** STATE **NM**
 OPR **GAS LIFT SALES & SRVC** API **30-015-25051**
 NO **2** LEASE **Wilderspin Federal** MAP
 Sec **11, T21S, R27E** CO-ORD
330 FNL, 330 FEL of Sec **12-3-8 NM**
7 mi NE/Carlsbad SPD **10-15-84** CMP **11-16-84**

CSC 13 3/8-509-640 sx 8 5/8-2530-1120 sx 5 1/2-5579-850 sx 2 7/8-2757	WELL CLASS: INIT D FIN DO LSE CODE			
	FORMATION	DATUM	FORMATION	DATUM
	TD 5579 (BSPG)		PBD 5518	

IP (Delaware) Perfs 2798-2822 F 133 BOPD + 105 BW. Pot
 based on 24 hr test thru op chk. GOR 1233; gty 36.4;
 CP Pkr; TP 50

CONTR **Rhymes #4** OPRSELEV **3220 GR, 3228 KB SUBS** 7

F.R. 10-1-84
 PD 5600 RT (Delaware)
 12-15-84 AMEND FIELD & ZONE: Formerly Undesignated
 (Bone Spring)
 10-15-84 Drlg 200
 10-22-84 TD 2600; DOC
 10-30-84 TD 5579; WOCT
 No Cores or DST's
 11-6-84 TD 5579; RUCT
 11-19-84 TD 5579; PBD 5518; WOPT
 Perf (Delaware) 2798-2822 w/25 shots
 Acid (2798-2822) 2500 gals (7 1/2%)
 Frac (2798-2822) 50,000 gals gel wtr &
 foam + 85,000#*sd
 Flwd 133 BO + 105 BW + 164 MCFG in 24 hrs
 thru op chk (2798-2822)
 12-3-8 NM

EDDY

GAS LIFT SALES & SRVC

Fenton NW

2 Wilderspin Federal

Sec 11, T21S, R27E

NM

Page #2

12-10-84 TD 5579; PBD 5518; Complete
LOG TOPS: Capitan Reef 644, Delaware
2677, Bone Spring 5342
LOG RUN: GRNL
12-15-84 COMPLETION ISSUED

12-3-8 NM
IC 30-015-70343-84