30-005-62278

Form 9-331 C
(May 1963)

NM OIL CONS. COMMISSION
Drawer DD
Artesia, NM 88210

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED BY
JUN 17 1985
O. C. D.
ARTESIA, OFFICE

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ] PLUG BACK [ ]	5. LEASE DESIGNATION AND SERIAL NO.: NM-2363
b. TYPE OF WELL: OIL WELL [ ] GAS WELL [X] OTHER — SINGLE ZONE [ ] MULTIPLE ZONE [ ]	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: Read & Stevens, Inc.	7. UNIT AGREEMENT NAME:
3. ADDRESS OF OPERATOR: P. O. Box 1518 Roswell, NM 88201	8. FARM OR LEASE NAME: Langley Federal
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*) At surface: 1520' FNL & 1780' FEL	9. WELL NO.: 4
At proposed prod. zone: Same	10. FIELD AND POOL, OR WILDCAT: Buffalo Valley Penn.
	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 14-T15S-R27E
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: 16 miles east of Hagerman, New Mexico	12. COUNTY OR PARISH: Chaves / 13. STATE: New Mexico

BUREAU OF LAND MANAGEMENT — MAY 30 1985 — ROSWELL, NEW MEXICO

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any): 1412'	16. NO. OF ACRES IN LEASE: 640	17. NO. OF ACRES ASSIGNED TO THIS WELL: 320
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	19. PROPOSED DEPTH: 9100'	20. ROTARY OR CABLE TOOLS: Rotary
21. ELEVATIONS (Show whether DF, RT, GR, etc.): 3560 GL		22. APPROX. DATE WORK WILL START*:

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"	54.4#	400'	400 Sx Class "C" Circulated
11"	8 5/8"	24.0#	1700'	600 Sx HL + 200 Sx "C" Circ.
7 7/8"	4 1/2"	10.5#	9100'	500 Sx Class "H"

Mud Program:

0' - 400' Spud mud with Magcobar gel and lime. If seepage is noted, add lost circulation material. If circulation is lost, dry drill to 400'.

400' - 5,200' Fresh water and native mud. Mud wt. 8.4#, Vis. 30-32, WL no control.

5,200' - 8,000' Magcogel and oil type drilling fluid. Mud wt. 8.5# - 8.8#, Vis. 30-32, 3-4% oil, WL no control.

8,000' - 9,100' Fresh water, low solids spersen mud system with CMC, 3% KCL, Starch, Drispak, and salt gel, Mud wt. 9.0 - 9.5#, Vis. 32-34, WL 10 cc or below, PH 9-9.5.

BOP Program: Will use a 5,000 psi working pressure Shaffer type "LWS" double BOP and one 90-115 Melco closing unit, 90 gal. capacity. See Exhib. "E".

Gas is not dedicated.

Posted ZOI APD & NL 6-21-85

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 Dwight L. Smith TITLE Agent for: Read & Stevens, Inc. DATE May 28, 1985

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY S/Levi Deike, Acting TITLE Area Manager DATE 6-14-85

CONDITIONS OF APPROVAL, IF ANY:

NEED NSL APPD.

NEW MEXICO OIL CONSERVATION COMMISSION

WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-65

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

Operator	Lease	Well No.
Read & Stevens, Inc.	Langley Federal ~~Com.~~	4

Unit Letter	Section	Township	Range	County
G	14	15 South	27 East	Chaves

Actual Footage Location of Well:
1520 feet from the North line and 1780 feet from the East line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
3560	Atoka	Buffalo Valley Penn.	320 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

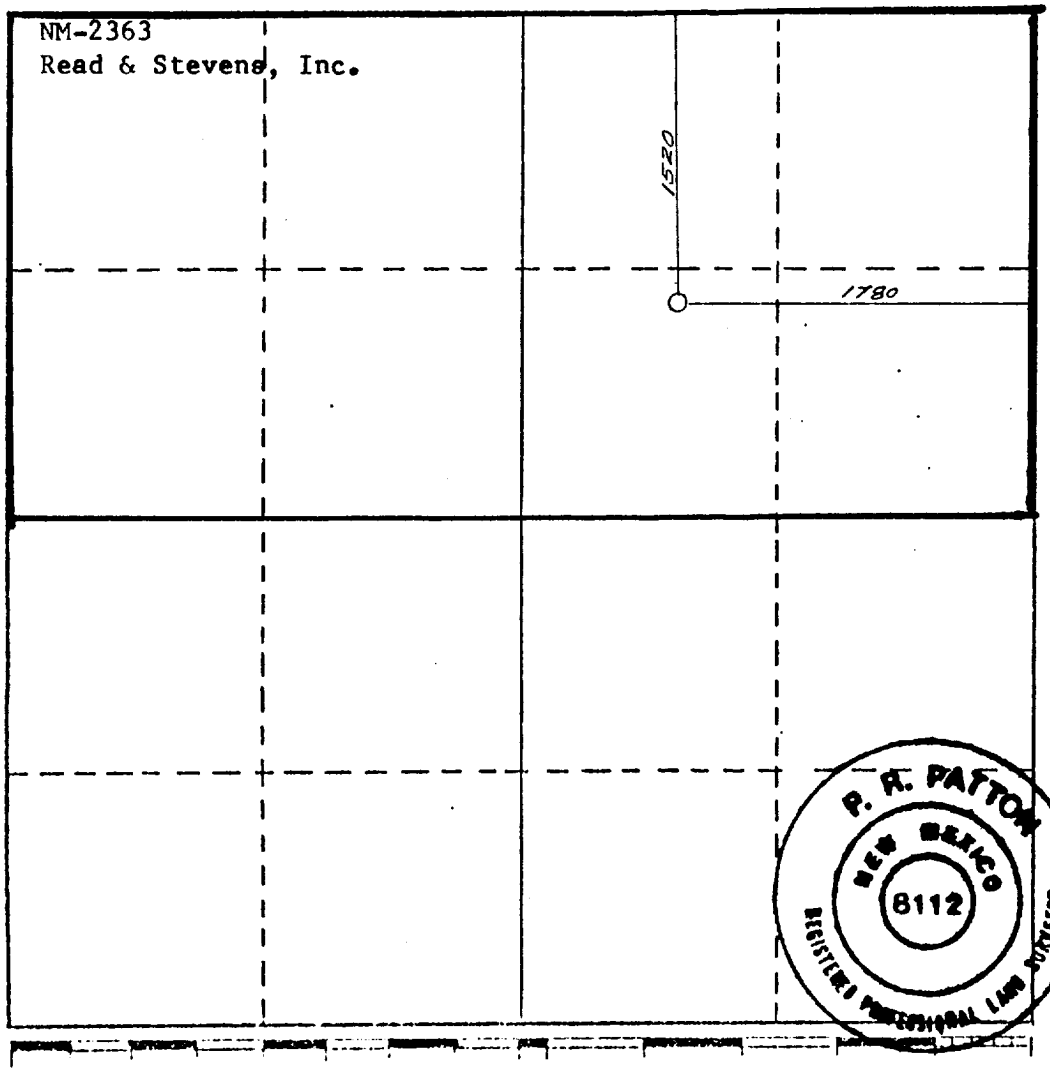
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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.

George R. Smith

Name: George R. Smith

Position: Agent for:

Company: Read & Stevens, Inc.

Date: May 28, 1985

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: May 8, 1985

Registered Professional Engineer and/or Land Surveyor: P.R. Patton

Certificate No. 8112

P. R. Patton
STATE OF NEW MEXICO
8112
REGISTERED PROFESSIONAL ENGINEER

SIERRA DRILLING CO. Rig # 2

GL to Floor 132"

GL to Bottom or Rotary 116"

This Stack is 110.5"

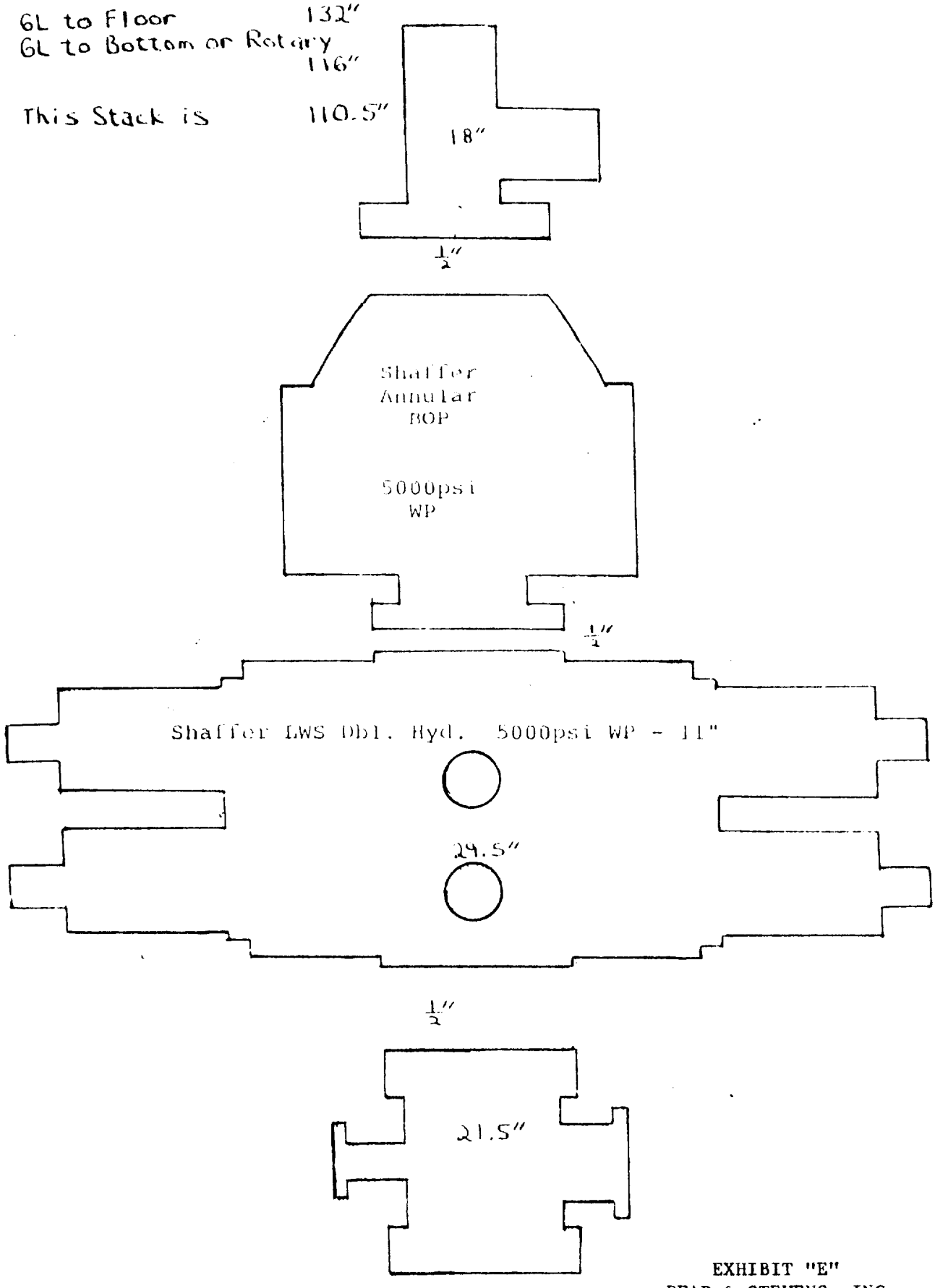


EXHIBIT "E"
READ & STEVENS, INC.
Langley Federal, Well No. 4
BOP Diagram

APPLICATION FOR DRILLING

READ & STEVENS, INC.
Langley Federal, Well No. 4
1520' FNL & 1780' FEL, Sec. 14-T15S-R27E
Chaves County, New Mexico
Lease No.: NM-2363
(Development Well)

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

1. The geologic surface formation is recent Permian with quaternary alluvium and other surficial deposits.

2. The estimated tops of geologic markers are as follows:

Queen	920'	Cisco	7038'
San Andres	1632'	Canyon	7438'
Glorieta	2692'	Strawn	8011'
Tubb	4362'	Atoka	8363'
Abo	5145'	Miss. Lime	8735'
Hueco Lime	6280'	T. D.	9100'

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

   Water: Possible surface water expected between 200 - 400 feet.

   Oil: San Andres at approximately 1632'.

   Gas: Atoka at approximately 8363'.

4. Proposed Casing Program: See Form 9-331C.

5. Pressure Control Equipment: See Form 9-331C and Exhibit "E".

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 each of the following:

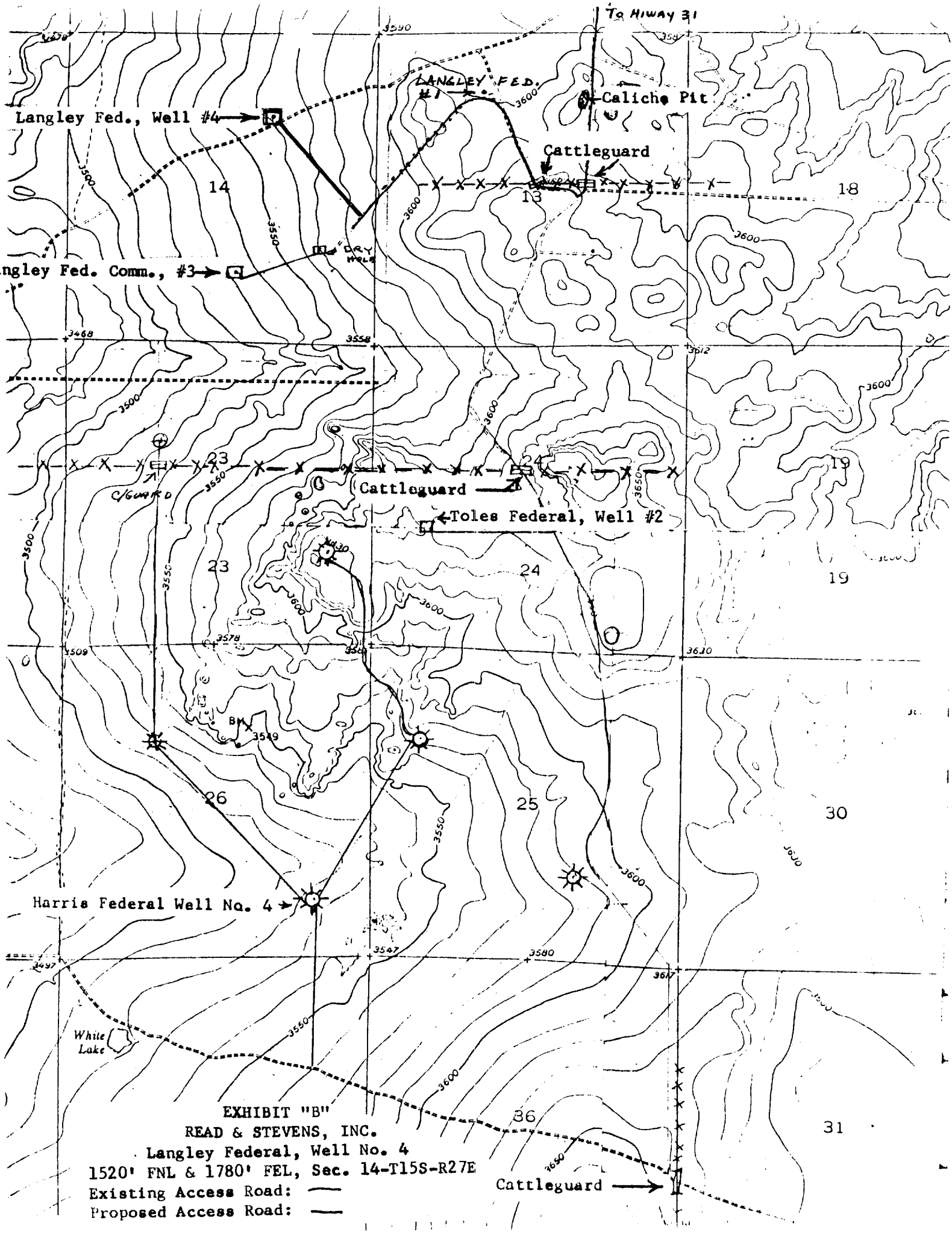
Strawn	8011' - 8111'
Atoka	8363' - 8463'

Logging:	Gamma Ray	Surface to T. D.
	FDC/CNL	Int. Csg. to T. D.
	Dual Ind. Laterolog	Int. Csg. to T. D.

   Coring: None planned.

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: July 15, 1985.
    Anticipated completion of drilling operations: Approximately 35 days.


To Hiway 31
LANGLEY FED. #1
Caliche Pit
Langley Fed., Well #4
Cattleguard
14
13
18
DRY HOLE
ngley Fed. Comm., #3
Cattleguard
Toles Federal, Well #2
23
24
19
26
25
30
Harris Federal Well No. 4
White Lake
36
31
EXHIBIT "B"
READ & STEVENS, INC.
Langley Federal, Well No. 4
1520' FNL & 1780' FEL, Sec. 14-T15S-R27E
Existing Access Road:
Proposed Access Road:
Cattleguard

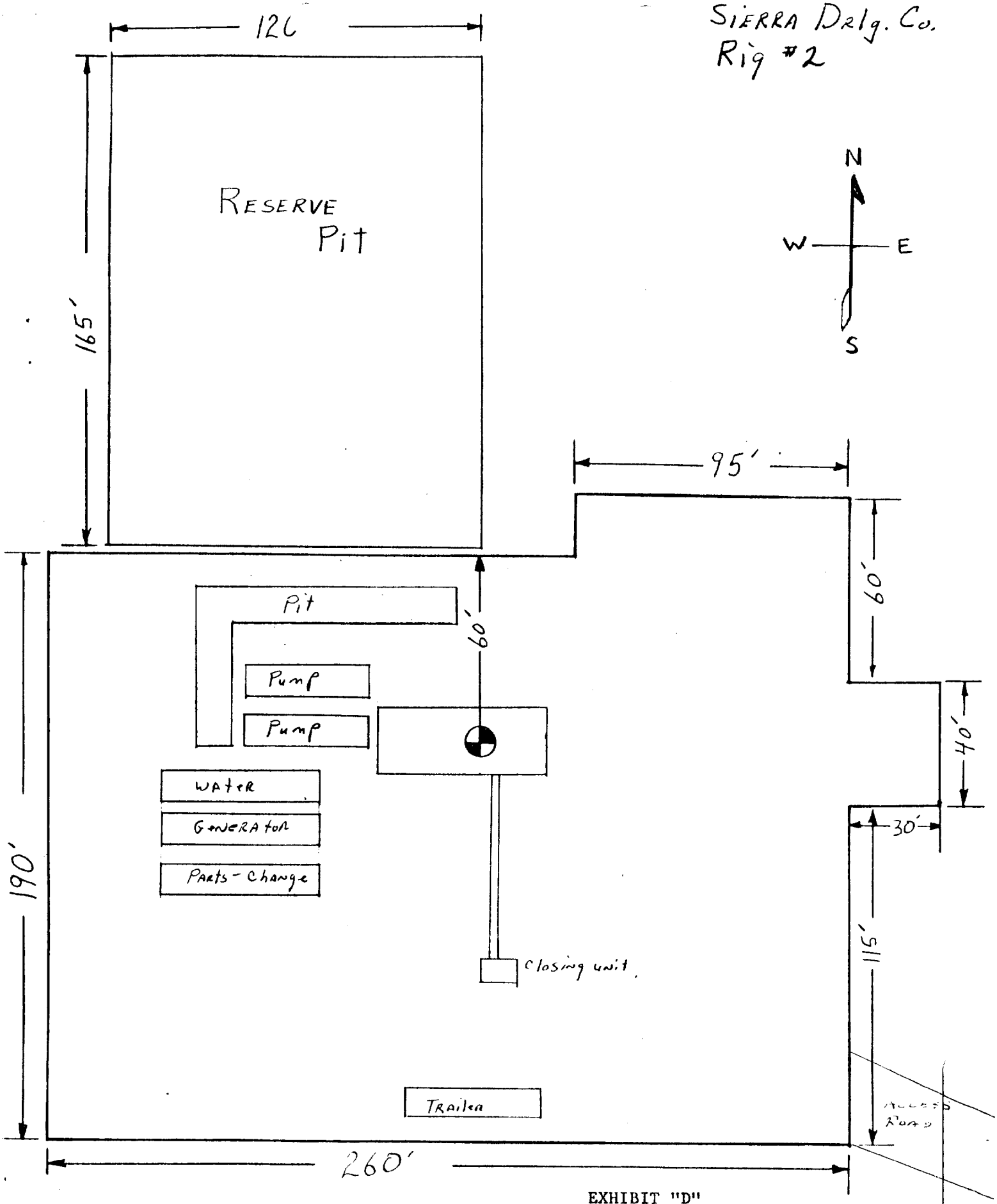


EXHIBIT "D"
READ & STEVENS, INC.
Langley Federal, Well No. 4
Rig Layout