Form 9-331 C
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-R1425.

30-015-24977

RECEIVED
AUG 29 1984
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.: LC028784A
b. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] OTHER ✓ SINGLE ZONE [X] MULTIPLE ZONE [ ]	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: -------
	7. UNIT AGREEMENT NAME: -----
2. NAME OF OPERATOR: Phillips Oil Company	8. FARM OR LEASE NAME: Keely-A Fed
3. ADDRESS OF OPERATOR: Room 401, 4001 Penbrook St., Odessa, Texas 79762	9. WELL NO.: 29
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*) At surface: (Unit A) 990' FNL & 990' FEL; At proposed prod. zone: Unit A	10. FIELD AND POOL, OR WILDCAT: Graybury-Jackson (SR-Q-GB-SA)
	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 24, T-17-S, R-29-E
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: 2 1/2 mi. West of Loco Hills, NM	12. COUNTY OR PARISH: Eddy; 13. STATE: NM

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. line, if any): 990' FEL	16. NO. OF ACRES IN LEASE: 1440	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.: 658'	19. PROPOSED DEPTH: 3200'	20. ROTARY OR CABLE TOOLS: Rotary
21. ELEVATIONS (Show whether DF, RT, GR, etc.): 3606.1 (Unprepared)		22. APPROX. DATE WORK WILL START*: Upon Approval

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24#	340'	Circ to surface w/350 sx Class 'C'
7 7/8	4 1/2	11.6#	3200'	1st stage, use Class 'C' 25#/sk (salt mixed @ 14.8 ppg w/6.3 gals of wtr/sk to yield 1.32 cf/sk. Circ stage tool ± 4 hrs. 2nd stage; Use TLW, 10% Diacel D, 10#/sk salt & 1/4#/sk cellophane mixed @ 11.8 ppg w/12.45 gals wtr/sk to yield 2.19 cf/sk followed by 400 sk/Class H cmt, 5#/sk salt, 1/4#/sk cellophane, 2% $CaCl_2$ & 0.3% friction reducer mixed @ 17.0 ppg w/3.93 gals wtr/sk to yield 1.04 cf/sk.

RECEIVED
BUREAU OF LAND MANAGEMENT
AUG 20 1984
Carlsbad, New Mexico
DIST. 6 N.M.

Centralizers & rotating scratcher points will be picked by logging engineer.

BOP Equipment: Figure 7-9 or 7-10 (Diagramatic Sketches & operational detail attached)

Mud: Proposed detail mud program attached.

Posted ID1 APD in NL Book 8-31-84

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 _____ TITLE Sr. Engineering Specialist DATE 8/17/84

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY Dan Wood Asst. TITLE AREA MANAGER CARLSBAD RESOURCE AREA DATE 8-28-84

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL SUBJECT TO GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS ATTACHED

*See Instructions On Reverse Side

I / MEXICO OIL CONSERVATION COMMIS N

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.
PHILLIPS OIL CO.	KEELY FED. "A"	29

Unit Letter	Section	Township	Range	County
A	24	17S	29E	EDDY

Actual Footage Location of Well:
990 feet from the NORTH line and 990 feet from the EAST line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
3606.1	SR-Q-GB-SA	Grayburg-Jackson	40 Acres

Unprepared

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

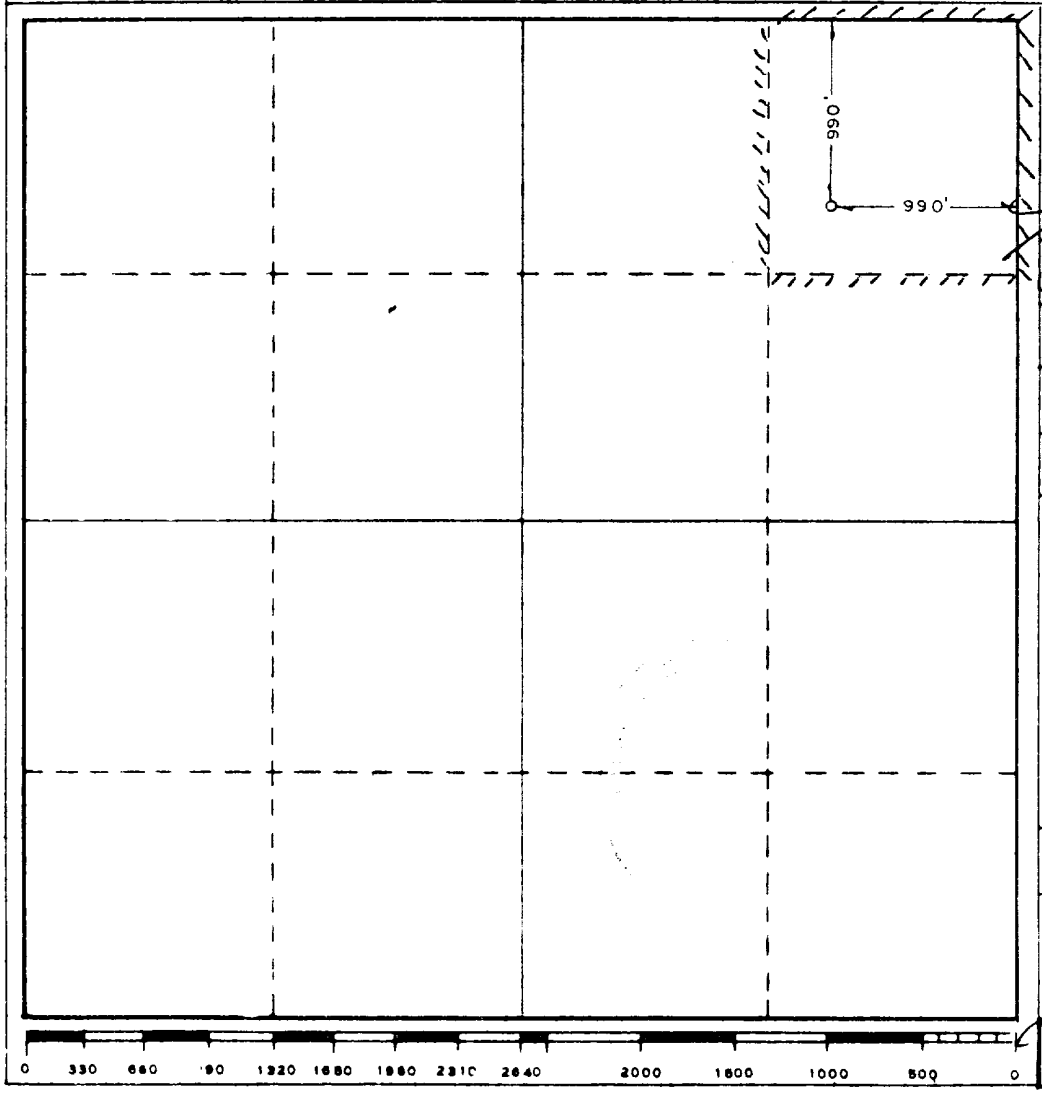
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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.

Name
W. J. Mueller

Position
Sr. Engineering Specialist

Company
Phillips Oil Company

Date
August 17, 1984

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
7/19/84

Registered Professional Engineer and/or Land Surveyor

Certificate No. JOHN W. WEST, 676
RONALD J. EIDSON, 3239

BLOWOUT PREVENTER REQUIREMENTS

Well Name: Keely-A Fed #29

I. Blowout preventer equipment, installation, testing and responsibilities will be in accordance with Phillips Company's Blowout Preventer Standards.

II. Figure Nos. 7-9 or 7-10 (Drawing Attached): Casing String 8 5/8
BOP Size 10" or 12"; Working Pressure 3000 psi

III. Equipment to be furnished by Contractor:

A. Ram Type BOPs:
1. No. Required 2
2. Acceptable Manufacturers & Types
   a. Cameron Iron Works: QRC; F; SS; U
   b. Shaffer Tool Works: B; E; LWS; LWP
   c. Hydril

B. Annular Type BOPs:
1. No. Required 0
2. Acceptable Manufacturers & Types
   a. Hydril - GK
   b. Shaffer - Spherical
   c. Cameron - D

C. Preventer Operating Equipment
1. Hydraulic Pump - air, steam or electrically operated of sufficient volume and pressure capacity to close the largest ram type preventer in less than 30 seconds. Electrically operated pump must be equipped with explosion proof motor and controls.
2. Manifold with a control valve for each preventer.
3. A Hydril or equivalent regulator for each annular type preventer.
4. Accumulator of sufficient volume and pressure capacity to close all preventers in the assembly without recharging. If the pump in C.1. is incapable of recharging the accumulator in excess of 1500 psi, a separate pump capable of this is to be furnished.
5. Remote control panel with a station for each preventer control valve.
6. Steel piping to connect hydraulic closing units to preventers.
7. Choke manifold with seamless steel piping and flanged or clamp hub connections. Choke manifold assembly and piping sizes as specified, on the attached drawing. All working lines, except hydraulic closing lines, shall have flanged or clamp hub connections to preventers, spools and casing heads.
8. Full opening drill string safety valve (I.D. equal or larger than I. D. of tool joint in use). Working pressure to equal or exceed specified BOP working pressure. O.D. and configuration such that valve can be run in the hole with adequate clearance.
9. Full opening upper Kelly cock. Working pressure to equal or exceed specified BOP working pressure.

REG3,BLOWOUT

V. (Continued)

F. Position and Type Rams will be as shown on the attached drawing.

G. Fill up line to be tied into the bell nipple above annular preventers.

H. Safety Valve, open with connections and/or subs available to fit any tool joint in use, shall be on the rig floor at all times.

VI. Testing

A. Initial Installation Test
Immediately after installation, each component part of the blowout preventer assembly including choke lines, valves and closing facilities will be tested individually by steps as outlined in the Blowout Preventer Testing Procedure section of Phillips' Blowout Preventer Standards. The test pressure will be at the working pressure specified in Item II. All components must be satisfactorily tested before drilling out.

B. Ram Change or Repair Test
1. After each ram change or when any component part of the preventer assembly, including lines and valves, is distrubed, the distrubed portion is to be tested to working pressure specified in Item II.
2. Installation of casing rams is not required for running casing.

C. Weekly Pressure Test
The first trip out of the hole after 12:01 AM, Tuesday, weekly test will be performed as outlined in the Blowout Preventer Testing Procedure which includes testing the entire assembly with water to 1/2 the specified working pressure for 10 minutes. The Kelly cock and safety valve are to be tested to the specified working pressure. The weekly test is not required where the test falls within three days after the initial installation test.

D. Operational Test
Each preventer unit is to be closed and opened on each trip or at least once each 48 hours (trip is not required just to actuate blind rams or pipe rams that do not fit top section of tapered string).

VII. Responsibilities

A. Contractor is to install and test the blowout preventer assembly as specified.

B. The driller is to check and record the accumulator pressure on the daily drilling report at the beginning of each tour.

C. Expense of rig time and pressure testing services for initial and weekly tests will be borne by:
1. Contrator while on footage contract.
2. Owner while on daywork contract.

REG3,BLOWOUT2

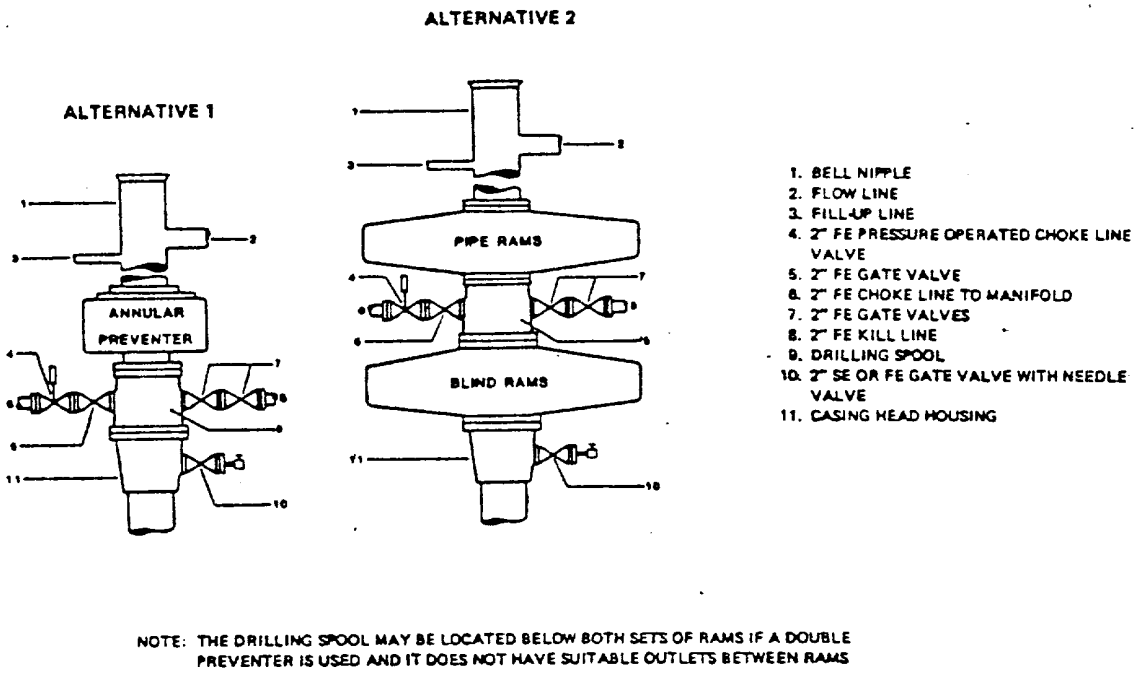


Figure 7-9. Standard Hydraulic Blowout Preventer Assembly (2 M or 3 M Working Pressure) Alternative 1

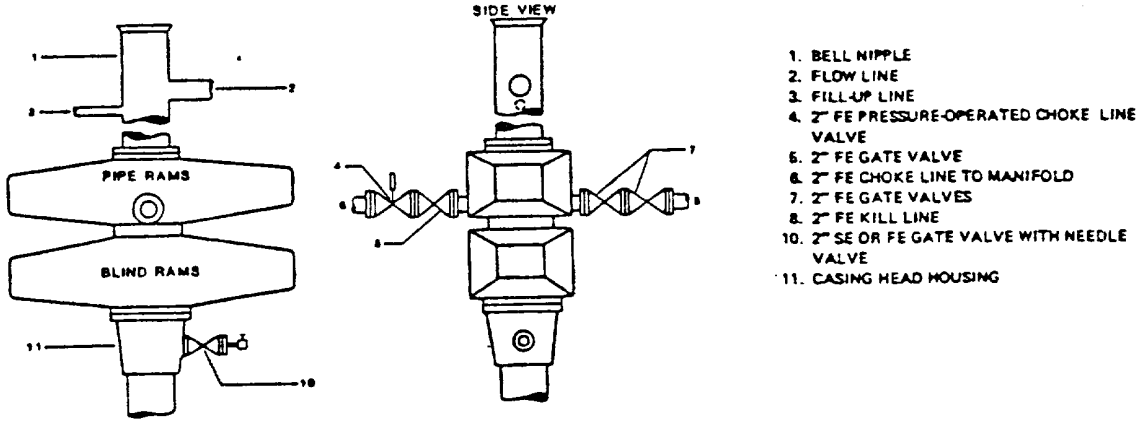


Figure 7-10. Standard Hydraulic Blowout Preventer Assembly (2 M or 3 M Working Pressure) Alternative 3 (without Drilling Spool)

PHILLIPS OIL COMPANY

Keely-A Fed LEASE WELL NO. 29 , NM LC028784A

NE/4 SECTION 24 , T-17 -S, R-29 -E, Eddy COUNTY, N. MEX.

DRILLING PROGNOSIS

1. Location of Proposed Well: 990' FNL and 990' FEL
Sec. 24, T-17-S, R-29-E, Eddy County, NM

2. Unprepared Ground Elevation: 3606.1 .

3. The geologic name of the surface formation is Tertiary .

4. Type of drilling tools will be Conventional rotary .

5. Proposed drilling depth is 3200' .

6. The estimated tops of important geologic markers are as follows:

Tansill	905'	Penrose Sand	2175'
Yates	1025'	Grayburg	2285'
Seven Rivers	1320'	Loco Hills	2400'
Queen	1930'	Metex	2500'
		San Andres	2635'

7. The estimated depths at which anticipated water, oil, gas, or other mineral bearing formations are expected to be encountered are as follows:

Water: 200' - 300'

Oil & Gas: 2260' to TD

8. The proposed casing program is as follows:

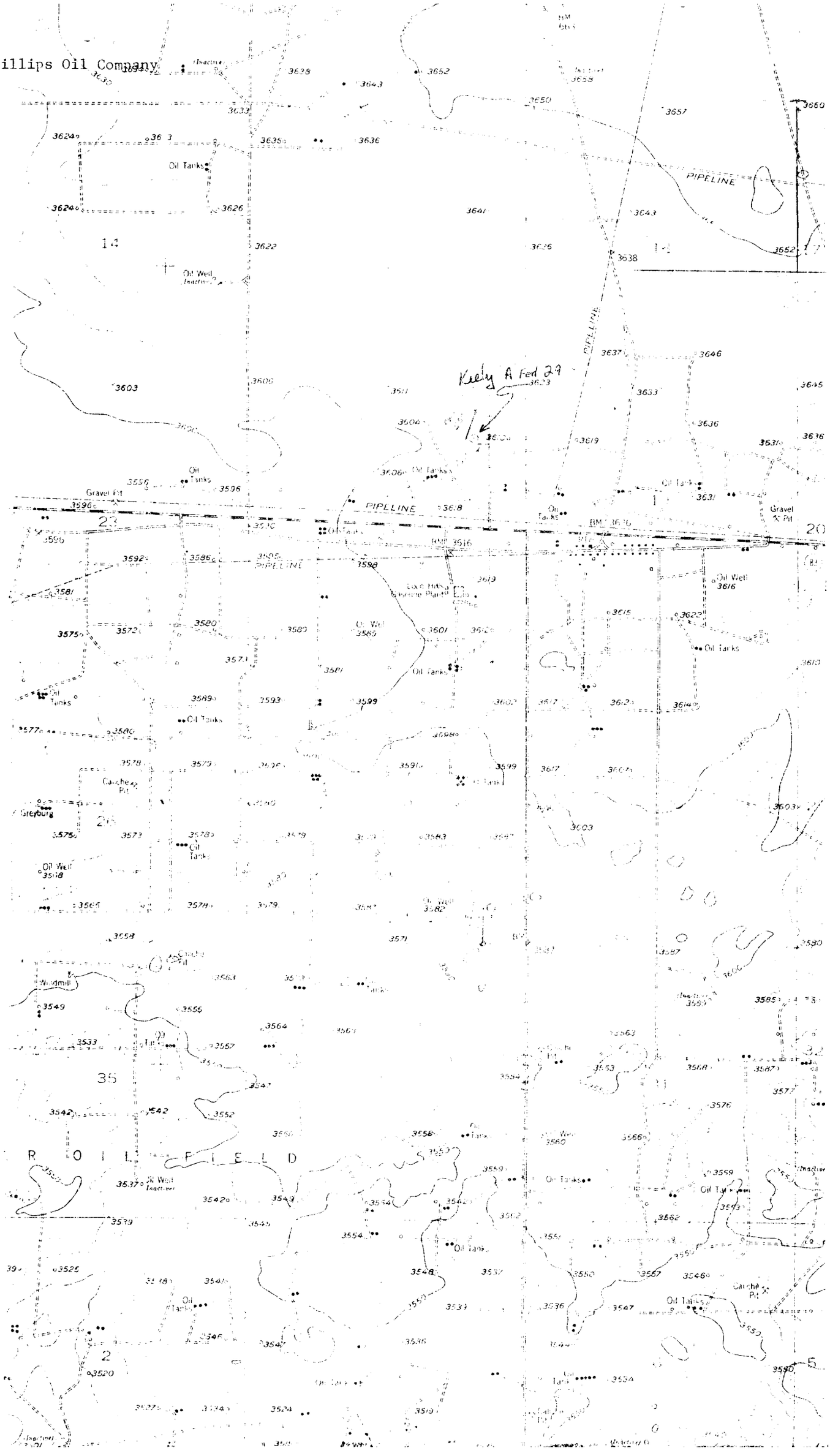
Surface String 8 5/8", 24#/ft, K-55, STC @340'
Intermediate Casing ----------
Production String 4 1/2", 11.60#/ft, N-80, LTC @ 3200"

9. Cement Program:

Surface String = Circulate to surface w/350 sx class "C" + 2% $CaCl_2$ mixed @ 14.8 ppg w/6.3 gals. wtr/sk to yield 1.32 cf/sk WOC 18 hrs. minimum prior to testing csg @ 600 psi/30 mins. & drill out.

Intermediate String = None

Phillips Oil Company



Phillips Oil Company