

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## 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

CONTINENTAL OIL COMPANY

## 3. ADDRESS OF OPERATOR

P.O. BOX 460 HOBBS, N.M. 88240

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

At surface

2093' FSL AND 1867' FWL

At proposed prod. zone

SAME

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

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

## 18. DISTANCE FROM PROPOSED LOCATION\*

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

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

3521.0' GR

## 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#	1350'	652 sk circ
7 7/8 "	5 1/2 "	14#, 15.5#, 17#	6880'	1718 sk circ

## 5. LEASE DESIGNATION AND SERIAL NO.

NM 2512

## 6. IF INDIAN, ALLOTTEE OR TRIBE NAME

## 7. UNIT AGREEMENT NAME

NMFU

## 8. FARM OR LEASE NAME

HAWK B-1

## 9. WELL NO.

15

## 10. FIELD AND POOL, OR WILDCAT

BLINEBRY OIL &amp; GAS / DRINKARD

11. SEC., T., R., M., OR BLK.  
AND SURVEY OR AREA

SEC 8 T 21S R 37E

## 12. COUNTY OR PARISH

LEA

NM

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

## 20. ROTARY OR CABLE TOOLS

RTY

## 22. APPROX. DATE WORK WILL START\*

APR. 15, 1979

IT IS PROPOSED TO DRILL A STRAIGHT HOLE TO A TD OF 6880' AND COMPLETE

AS A DUAL OIL WELL IN THE BLINEBRY AND DRINKARD ZONES.

SEE ATTACHMENT FOR 10 POINT WELL PLAN.

SEE ATTACHED FOR SURFACE USE PLAN.

RECEIVED

FEB 20 1979

U. S. GEOLOGICAL SURVEY  
HOBBS, NEW MEXICO

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

*Wm A. Butterfield*

TITLE

ADMINISTRATIVE SUPERVISOR

DATE

2-16-79

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

APPROVED  
AS AMENDED  
MAR 7 1979

ACTING DISTRICT ENGINEER

ATTACHMENT TO FORM 9-331 C  
APPLICATION FOR PERMIT TO DRILL

Continental Oil Company  
Hawk A No. 7 and Hawk B-1 No. 15  
Section 8, T21S, R37E  
Lea County, New Mexico

1. The geologic name of the surface formation is Quaternary Sand.
2. The estimated tops of important geologic markers are shown on the attached Proposed Well Plan.
3. The estimated depths at which anticipated water, oil, gas or other mineral-bearing formations to be encountered are shown on attached Proposed Well Plan.
4. The proposed casing program is as follows:

0' - 1,350'	8 5/8", 24#, K-55, ST&C
0' - 3,800'	5 1/2", 14#, K-55, ST&C
3,800' - 5,000'	5 1/2", 15.5#, K-55, ST&C
5,000' - 6,880'	5 1/2", 17#, K-55, ST&C
5. A drawing of an API Series 900 Blowout Preventer Specification is attached. Pipe rams and blinds will be checked to 1,000 PSI for 30 minutes when BOP is installed. BOP will be checked when casing string is set and operated daily for checks.
6. The proposed mud program is as follows:

0' - 1,350'	8.5 - 9.0 ppg	spud mud
1,350' - 6,880'	9.0 - 10.0 ppg	salt water gel
7. The auxiliary equipment to be used is:
  - (1) kelly cocks
  - (2) floats at the bit
8. It is proposed to run GR CAL CNL FDC PDC logs at selected intervals, as shown on the attached Proposed Well Plan.
9. No abnormal pressures or temperatures are expected to be encountered in this well.
10. The anticipated starting date for the first well is April 15, 1979, with a duration of approximately 21 days for each well.

PEB:ry

# PROPOSED WELL PLAT OUTLINE

WELL NAME: Hawk B-1 No. 15

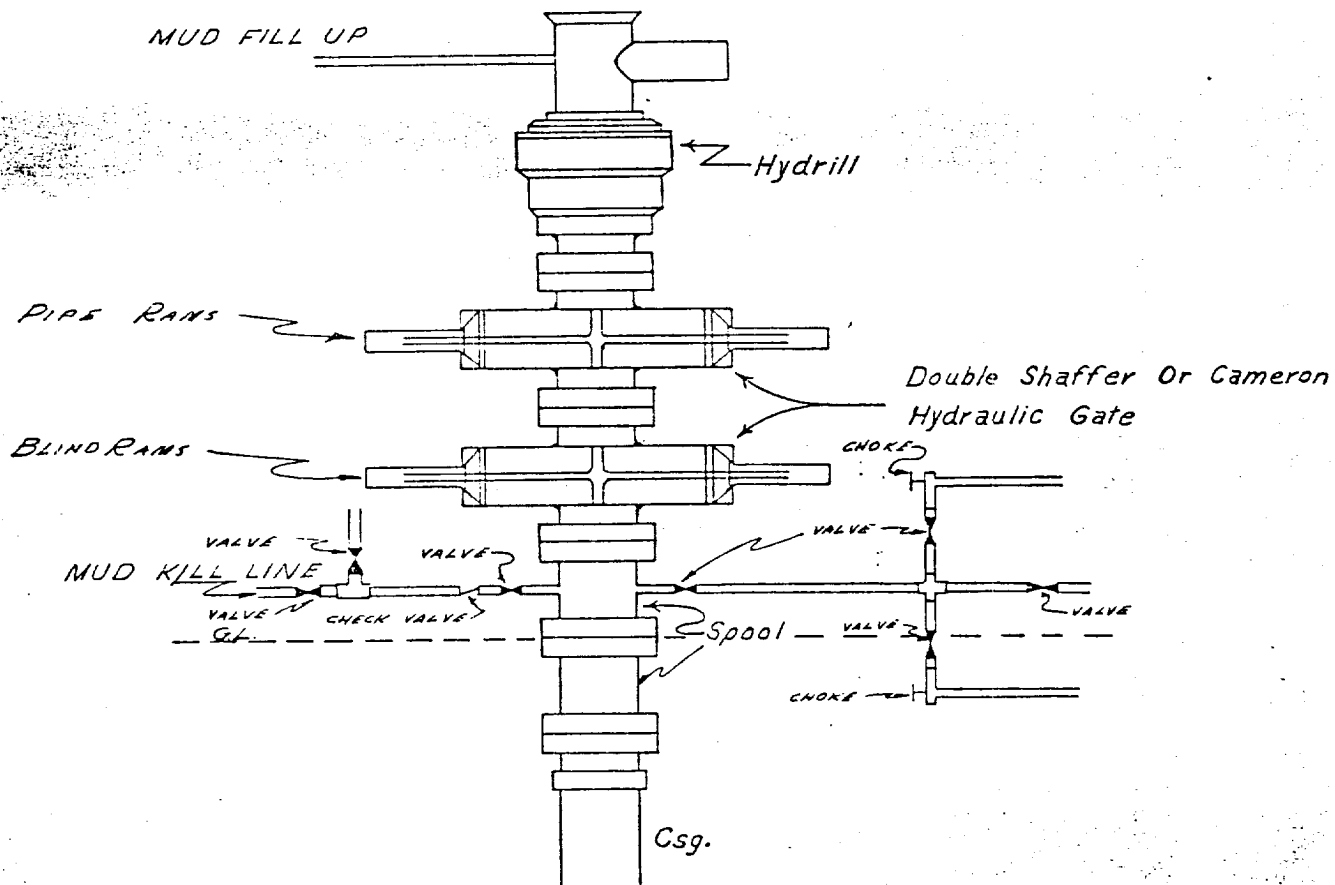
COUNTY: Lea

LOCATION: 1980' FSL & FWL  
Sec. 8, T21S, R37E

STATE: New Mexico

DEPTH	FORMATION TOPS & TYPE Pleistocene	DRILLING PROBLEMS	TYPE OF FORMATION EVALUATION	HOLE SIZE (IN)	CASING		FRACTURE PRESSURE GRADIENT (PPG)	FORMATION PRESSURE GRADIENT (PPG)	MUD	
					SIZE (IN)	DEPTH (FT)			WEIGHT (PPG)	TYPE
	Water SS.	200-400								
1000										
	Rustler Anhy.	1310		12 1/4	8 5/8	1350	--	--	8.5-	Spud
	Salado Salt	1390							9.0	
2000										
	Base Salt	2550								
3000										
	Queen SS.	3470								
	Grayburg dol.	3750	Geolograph Deflection 0-TD							
4000										
5000										
	Glorieta SS.	5260								
	Blinbry Mkr. dol.	5730	GR-CNL-FDC DLL-MSFL TD-2600							
6000										
	Tubb Mkr.	6230								
	Drinkard dol.	6520								
	Abo ls.	6830								
7000	TD 6880			7 7/8	5 1/2	6880	15.0 To 16.0	Less Than 8.5	9.0- 10.0	Salt Gel

CONTINENTAL OIL COMPANY  
Blow-out Preventer Specifications



NOTE:

API SERIES 900

Manual and Hydraulic controls with closing unit no less than 75' from well head.  
Remote controls on rig floor.

DUE TO SUBSTRUCTURE CLEARANCE,  
HYDRILL MAY OR MAY NOT BE USED.

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form O-102  
Supersedes O-128  
Effective 1-1-55

All distances must be from the outer boundaries of the Section

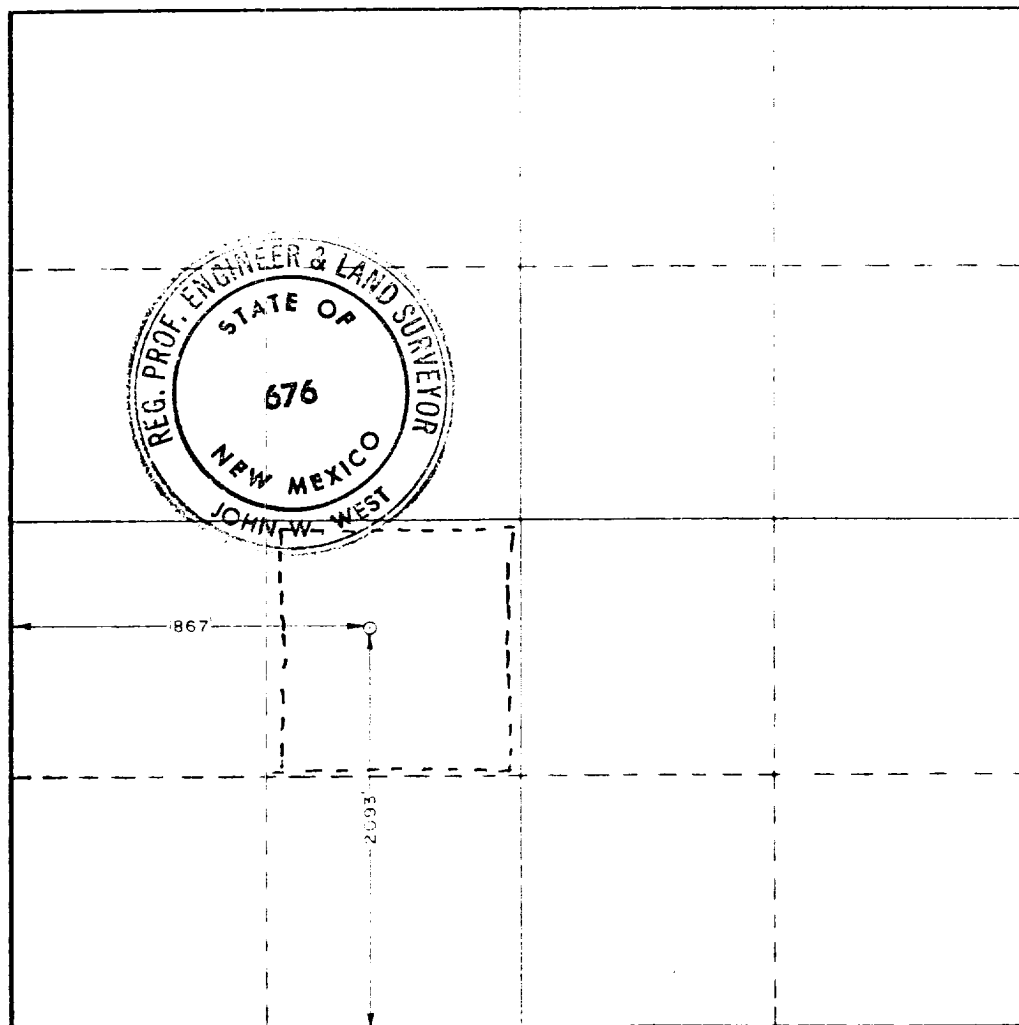
Operator <b>Continental Oil Co.</b>		Lease <b>Hawk P 1"</b>		Well No. <b>15</b>
Unit Letter <b>K</b>	Section <b>8</b>	Township <b>21 South</b>	Range <b>37 East</b>	County <b>Lea</b>
Actual Footage Location of Well: <b>2093</b> feet from the <b>South</b> line and <b>1867</b> feet from the <b>West</b> line				
Ground Level Elev. <b>3521.0</b>	Producing Formation <b>BLINEBRY + DRINKARD</b>	Pool <b>BLINEBRY OIL; GAS / DRINKARD</b>	Dedicated Acreage: <b>40</b> 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

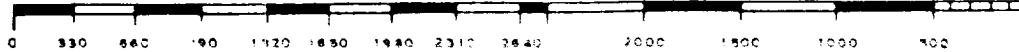
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature: *Wm A. Butterfield*  
Position: **ADMINISTRATIVE SUPERVISOR**  
Company: **CONTINENTAL OIL CO.**  
Date: **FEB. 16, 1979**

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: **February 5, 1979**  
Registered Professional Engineer and/or Land Surveyor

Signature: *John W. West*  
Certificate No. **John W. West 676**  
Ronald J. Eldred 3230



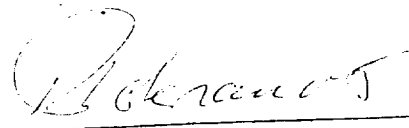
District Engineer  
U. S. Geological Survey

Gentleman:

RE: Hawk A No. 7 and Hawk B-1 No. 15

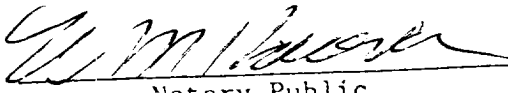
This refers to the Form 9-331C, Application to Drill, Deepen or Plugback accompanying this letter. The undersigned hereby states that he has personally contacted Millard Deck, the owner of the surface land where the proposed work is to be conducted and advised him of the proposed work, the construction site and pertinent roads included in the project. It is further stated that, upon being fully advised of the extent of the work and the effect upon the surface, said owner has consented to the said work and that agreement as to the compensation for damages to the surface estate has been reached.

It has been agreed, subject to change at that time, that upon abandonment of operations the roads shall be (ripped or ~~left intact~~) and the pad shall be (ripped or ~~left intact~~).

X 

STATE OF NEW MEXICO  
COUNTY OF LEA

Subscribed and sworn to before me this 15th day of February, 1979

  
Notary Public

My commission expires 2-20-81

SURFACE USE PLAN  
Continental Oil Company  
Hawk A No. 7 & Hawk B-1 No. 15  
Sec. 8 T21S R37E  
Lea County, New Mexico

The plan is to accompany "Application for Permit to Drill" the subject well. The following is a discussion of pertinent information concerning possible effect which the proposed drilling of the well may have on the environment of the well and road sites and surrounding acreage. A copy will be posted on the derrick floor so that all contractors and sub-contractors will be aware of all items of this plan.

1. EXISTING ROADS

- A. The proposed well sites are:  
Hawk A No. 7 - 990' FNL and 1980 FWL of Section 8  
Hawk B-1 No. 15 - 2093' FSL and 1867' FWL of Section 8
- B. Exhibit "A" is a portion of a New Mexico road map showing existing black top roads. The proposed locations are located approximately 0.1 mile (Hawk A No. 7) and 0.5 mile (Hawk B-1 No. 15) to the west of the county road one mile north of Loop 18 north of Eunice, New Mexico.
- C,D,E. Access Roads are shown on Exhibit "B".
- F. No improvement or maintenance are anticipated for the existing roads.

2. PLANNED ACCESS ROADS

- A. Width and Length: New road required for Hawk B-1 No. 15 will be 12' wide and 1320' long. This new road is labeled and coded on exhibit "B". Hawk A No. 7 will not require a new road as the present road crosses the proposed drill pad.
- B. Turnouts: One turnout will be located at the midpoint of the new road for Hawk B-1 No. 15.
- C. Drainage Design: New road will have a drop of 6" from center line on each side.
- D. Culverts, Cuts and Fills: No culverts are required, a cut 3' deep extending north to south will be required for Hawk A No. 7.
- E. Surfacing Material: Six inches of caliche, bladed, watered, and compacted.
- F. Gates, Cattleguards, Fences: No cattleguards, gates, or fences are required.
- G. The proposed road is staked.

3. LOCATION OF EXISTING WELLS

See Exhibit "C".

4. LOCATION OF EXISTING AND/OR PORPOSED FACILITIES

- A. Tank Batteries: Existing tank batteries will be used. See Exhibit "B".
- B. Producing Facilities: No new producing facilities are required.
- C. Oil Gathering Lines: Flowlines will lay on the surface alongside the road right of way.
- D. Other Lines: Electrical power lines will be constructed on 330' spans as shown on Exhibit "E". Electrical plans and a materials list is also included.
- E. Rehabilitation: Pits will be backfilled and leveled as soon as practical to original condition. Commencement of Rehabilitation Operations will immediately follow removal of drilling and completion equipment from location. Rehabilitation of the surface is planned to be completed within 45 days from commencement.

5. WATER SUPPLY

Water will be hauled over existing roads from Eunice, New Mexico.

6. SOURCE OF CONSTRUCTION MATERIALS

Caliche will be hauled over existing roads from one of two pits. The pits are located in the SE/4 of SE/4 Sec. 6 and Sec. 16, T21S, R37E, Lea County, New Mexico.

7. METHODS FOR HANDLING WASTE DISPOSAL

Waste Disposal: Well cuttings will be disposed in reserve pit. Barrel trash containers to be in accessible locations within drill site area during drilling and completion procedures. All detrimental waste will be hauled away, burned or buried with a minimum cover of 24" of dirt. See Exhibit "D" for location of pits. If well is productive, maintenance waste will be placed in special trash cans and hauled away periodically. Any produced water will be collected in tanks until hauled to an approved disposal system, or separate disposal applications will be submitted to the survey for appropriate approval.

8. ANCILLARY FACILITIES

None.



9. WELL SITE LAYOUT

Exhibit "D" shows the relative location and dimensions of the well pad, mud pit, reserve pit, etc. The reserve pit will be lined with plastic. The pad and pits are staked.

10. PLANS FOR RESTORATION OF SURFACE

Pits will be backfilled and leveled as soon as practical to original condition. Commencement of rehabilitation operations will immediately follow removal of drilling and completion equipment from location and rehabilitation of the surface is planned to be completed within 45 days from commencement.

11. OTHER INFORMATION:

- A. Terrain: Rolling sand hills.
- B. Soil: Sandy.
- C. Vegetation: Sparse mesquite.
- D. Surface Use: Grazing.
- E. Ponds and Streams: None within one mile.
- F. Water Wells: None within one mile.
- G. Residences & Buildings: None within one mile.
- H. Arroyos, Canyons, Etc.: None within one mile.
- I. Well Sign: Sign identifying and locating well will be maintained at drill site with the spudding of the well.
- J. Open Pits: All pits containing mud or other liquids will be fenced.
- K. Archaeological Resources: None observed.

12. OPERATOR'S REPRESENTATIVE

Field personnel who can be contacted concerning compliance of this Surface Use Plan are as follows:

Production and Drilling  
B. G. Shirley or H. C. Pokrandt  
1001 North Turner  
Hobbs, New Mexico 88240  
Phone: 393-4141

13. CERTIFICATION

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site 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 operations proposed herein will be performed by Continental Oil Company and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

2/16/79

Date

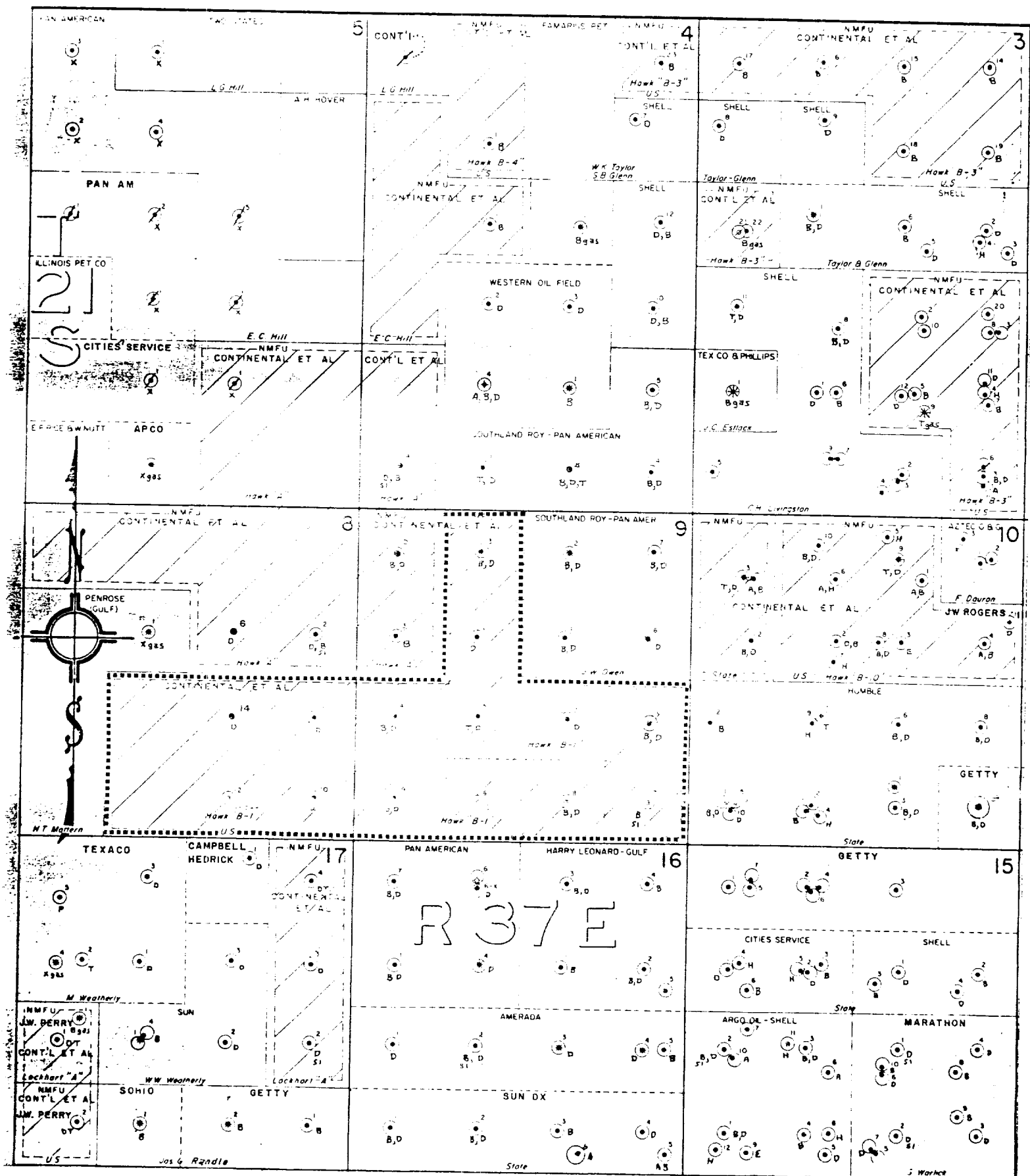
H. C. Pokrandt

H. C. Pokrandt  
Production Superintendent

PEB:rsy







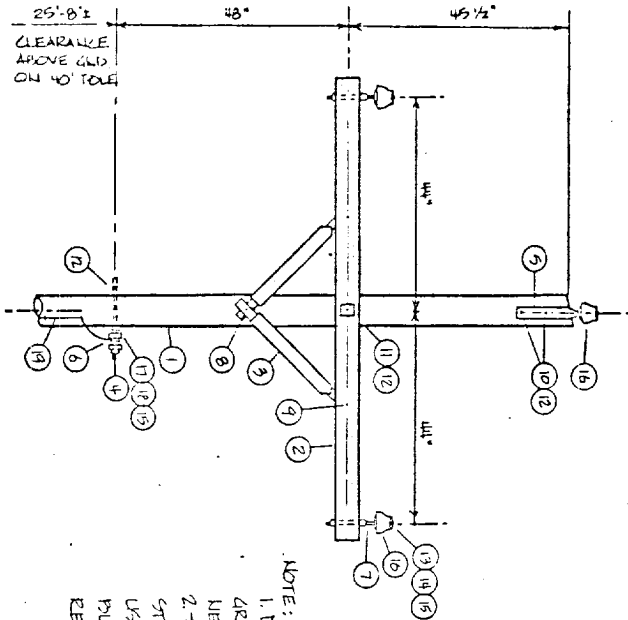
• Blinebry-Terry Blinebry Completion

• Drinkard Oil Completion





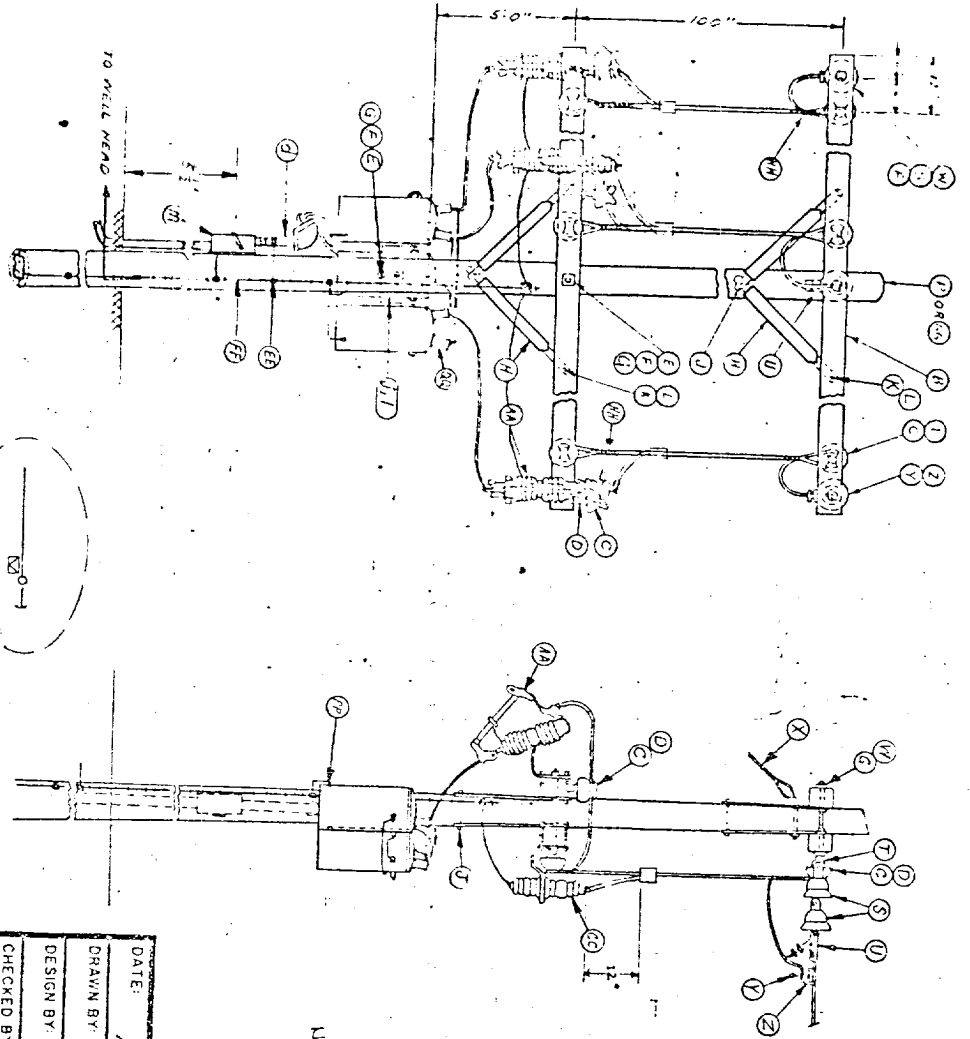
MATERIALS					
ITEM	DESCRIPTION	REQD.	ITEM	DESCRIPTION	REQD.
1	POLE 40'	1	17	NEUTRAL CONDUCTOR	-
2	CROSSARM, 3/4" x 4 1/2" x 8'	1	18	ANCHOR ROD	1
3	PRIME WOOD	2	19	POLE GROUND WIRE, #6 AL.	50'
4	GRIND RAY	1			
5	UPDKE PIN, 1/2"	1			
6	SPRUE INSTALLATOR	1			
7	STEEL PIN, 3/8 x 5"	2			
8	LUG, GREEN, 1/2 x 4"	1			
9	CASCKLE POLT, 3/8 x 4 1/2"	2			
10	MACHINE POLT, 3/8 x 10"	2			
11	MACHINE POLT, 5/8 x 4"	1			
12	WASHER, 2 1/2" SQ.	5			
13	PLATE CONDUCTOR	-			
14	ANCHOR ROD	3			
15	THE WIRE, #6 AL.	1			
16	PIN INSULATOR, 9KV	3			



NOTE:  
1. DO NOT INSTALL  
GROUND WIRE PAST  
NEUTRAL CONDUCTOR  
2. THIS CONSTRUCTION  
STANDARD TO BE  
USED ON ALL LINES  
BUILT ON NATIONAL  
RESOURCE LANDS

DATE: 7-15-71		TITLE: PRIMARY IN LINE POLE	
DRAWN BY: J. Merrill		12,500 VOLT ACSR	
DESIGN BY:		CONOCO	
CHECKED BY: SK		HOBBS DIVISION	
APPROVED BY: SK		DRAWING NO:	
SCALE: 1/4" = 1'-0"		ELEC. SPECS.	
		E-2-26	





ITEM	QTY	REF
A	4	
B	5	
C	2	
D	3	
E	24	
F	12	
G	8	
H	4	
I	4	
J	8	
K	8	
L	8	
M	1	ES-14, NOTE 5
N	6	
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UB	3	
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UF	3	
UG	3	
UH	3	
UI	3	
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UK	3	
UL	3	
UM	3	
UN	3	
UO	3	
UP	3	
UQ	3	
UR	3	
US	3	
UT	3	
UU	3	
UV	3	
UW	3	
UX	3	
UY	3	
UZ	3	
VA	3	
VB	3	
VC	3	
VD	3	
VE	3	
VF	3	
VG	3	
VH	3	
VI	3	
VJ	3	

ITEM	DESCRIPTION	A. B. CHANGE NO.	JOSLYN NO.	OTHER MFRS. NO.	NO. SUB.
A	35' class 6 creosoted pine pole				
B	3 1/2" x 4 1/2" x 8' creosoted crossarm				
C	1/2" x 1/2" x 1/2" x 1/2" porcelain pin insulator		463		
D	5/8" x 5" forged steel pin w/ sq. washer, nut, & locknut	881			
E	5/8" x 12" machine bolt w/ nut (or length req'd)	8812			
F	2 1/4" x 2 1/4" x 3/16" x 11/16" hole sq. washer	6813			
G	5/8" x 1/2" locknut	3512			
H	1/2" x 1 1/2" x 28" flat crossarm brace	7128			
I	1/2" x 4" x 7" better drive lag screw	508754			
J	3/8" x 4 1/2" carriage bolt w/ Nut	8634 1/2			
K	3/8" x 1/2" locknut	3510			
L	Preforced Aluminum Alloy Armor Rods, size req'd				
M	tie wire #6 strong alum. alloy				
N	Foam Insulator (Extension link)				
O	35' class 5 creosoted pine pole				
P	Aluminum double tab square on connector for A, B, L, Aluminum, or copper-size req'd				
Q	6" Suspension Insulator	66100			
R	5/8" x 1/2" standard oval eye Nut	6502			
S	Primary head and clamp		44050		
T	5/8" x 18" (or length req'd) Double Arming Bolt w/ 6 sq. nuts	8868			
U	Electric detail - see dsg No. ES-10 for specs.				
V	Hot Line Clamp				
W	Squeeze on basket, size required	515204GP			
Z					

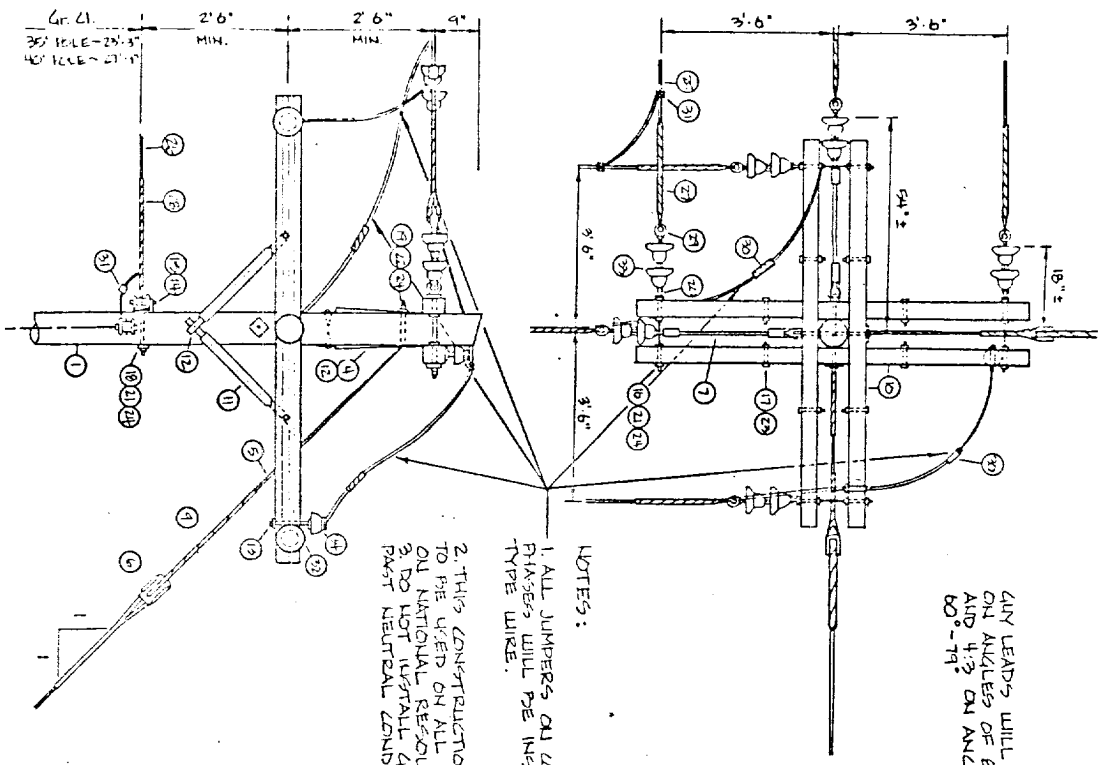
DATE:	12-27-71	TITLE:	DESCRIPTION MATERIALS
DRAWN BY:	E. WINTER	PRODUCTION DEPT.	HOBS DIVISION
DESIGN BY:		CHECKED BY:	
CHECKED BY:		APPROVED BY:	
SCALE:	NONE	DRAWING NO.	ES-1
			SHEET 1 OF 3

ITEM	DESCRIPTION	A. B. CHANGE NO.	JOSLYN NO.	OTHER MFRS. NO.	NO SUB.
1	Primary cutout - 100 amp, 15 KV, 16000 amp int. cap.	F2XX10/5G			A
2	General purpose "W" bolt clamp	UC 31241GP			
3	1/4" steel, arbor, 10 KV				
4	1/4" steel phase oil sitch, 14.4 KV				
5	split bolt connector, size req'd				
6	grounding spec. see dep No. ES-11 & ES-1A, Note 3				
7	35' class 4 creosoted pine pole				
8	Aluminum deadend Preforms for ASR, size req'd				
9	30' class 6 creosoted pine pole				
10	OS GRND GRND, 1/4" ASR - If Req'd - Ref. Dep ES-11, S-1A - Note 3				
11	ground connector, motor				
12	600 V. secondary lightning arrester, single phase				
13	Greenfield type HP liquid-tight flexible steel				
14	conduit, size req'd, w/ necessary liquid-tight				
15	connectors, size 1/8 fitting & cover & packet				
16	req'd size 1/8 fitting & cover & packet				
17	transformer tank grounding terminal				
18	bird guards (insulating boots on transformer bushings)				

DATE: 12-27-71	TITLE: DESCRIPTIVE MATERIAL
DRAWN BY: E. WINTER	
DESIGN BY:	
CHECKED BY:	
APPROVED BY:	
SCALE: 1/8"=1'	
PRODUCTION DEPT. (CC NOCO)	HOBBS DIVISION
JOB: REC SPECS	DRAWING NO: ES-1
	SHEET 2 OF 3

ITEM	DESCRIPTION	A. B. CHANGE NO.	JOSLYN NO.	OTHER MFRS. NO.	NO SUB.
a	double upset bolt 5/8", nut, round washer, and cotter key on short end, sq. nut and hf locknut on long end, 13 1/8" long (for length required.) wet process porcelain secondary spool insulator, 3", brown glaze	7828	1101		
b	required size conduit w/ servicehead(s) & req'd size & rated insulated conductors. Ref. Dwg ES-1B note: provide clamp and ground conduit parallel groove clamp, size req'd			BURBURY STRIPS UC	
c	secondary insulator clevis for 4" insulator	6510			
d	5/8" x 12" (for length req'd) straight thimble bolt w/ sq. nut	5512		ALUMATOP 6M3-6	X
e	transformer cluster mount bracket (small)			ALUMATOP 15M3-6	X
f	transformer cluster mount bracket (large)				
g	req'd size raintight disconnect & fuses, 3-phase, 600 V. Ref. Dwg. No. ES-1B	X-16			
h	16" cross plate anchor (for size req'd)	88135			
i	6-way expanding anchor (size req'd)		10101		
j	4" brown glaze wet process porcelain secondary spool insulator	5317 (AUT 55006P)			
k	5/8" x 7" thimble anchor rod w/ nut (use twineye if req'd - change No. 5347)				
l	3/8" high strength guy strand (10,800 lb.)	5010			
m	preford guy strap for 3/8" guy strand	6813 1/2			X
n	5/8" x 16" angle thimble bolt w/ nut				
o	3"x3"x1/4"x11/16" hole curved washer				
p	6" - guy clamp w/ 3-1/2" bolts	6454			
q	relin size strain insulator	7887			X
r	serving sleeve for 3/8" guy strand				
s	3/16" x 2-1/2" x 7" lift plate				
t	pole bottom ground plate (may use burl-wrap if desired)				
u	Ground connection (See Dwg. ES-13)				
v	wet process porcelain secondary spool insulator, 3" - white glaze				
w	wet process porcelain secondary spool insulator, 4" - white glaze				

DATE: 12-27-71	TITLE: DESCRIPTION MATERIALS
DRAWN BY: E. HUNTER	
DESIGN BY:	
CHECKED BY:	
APPROVED BY:	
SCALE: NONE	
PRODUCTION DEPT. (CONOCO)	HOBBS DIVISION
JOB: ELEC SPECS	DRAWING NO: ES-1
	SHEET 3 OF 5



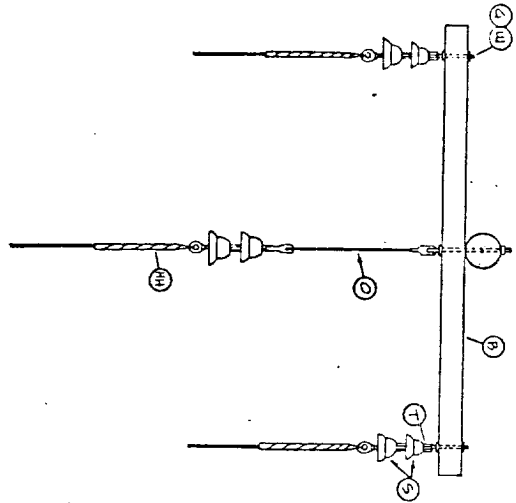
- NOTES:
1. ALL JUMPERS ON CONDUCTOR PHASES WILL BE INSULATED TYPE WIRE.
  2. THIS CONSTRUCTION STANDARD TO BE USED ON ALL LINES PULIT ON NATIONAL RESERVE LANDS.
  3. DO NOT INSTALL GROUND WIRE PAST NEUTRAL CONDUCTOR.

# MATERIALS

ITEM	DESCRIPTION	QTY
1	ANCHOR, 8"	2
2	ANCHOR, 8"	2
3	ANCHOR, 8"	2
4	ANY ATTACHMENT, 1133A	24
5	ANY CABLE, 30" 114	2
6	ANY INSULATOR, 500	2
7	ANY INSULATOR, 500	2
8	ANY LEAD, 3/8"	2
9	ANY LEAD, 3/8"	2
10	ANY LEAD, 3/8"	2
11	ANY LEAD, 3/8"	2
12	ANY LEAD, 3/8"	2
13	ANY LEAD, 3/8"	2
14	ANY LEAD, 3/8"	2
15	ANY LEAD, 3/8"	2
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27	ANY LEAD, 3/8"	2
28	ANY LEAD, 3/8"	2
29	ANY LEAD, 3/8"	2
30	ANY LEAD, 3/8"	2
31	ANY LEAD, 3/8"	2
32	ANY LEAD, 3/8"	2
33	ANY LEAD, 3/8"	2
34	ANY LEAD, 3/8"	2

DATE: 7-15-77		TITLE: PRIMARY ANGLE STRUCTURE	
DRAWN BY: J. HODGINS		60°-90° 12,500 VOLT ASGR	
DESIGN BY:		CCNOCO	
CHECKED BY: SY		HOBBS DIVISION	
APPROVED BY: SY		DRAWING NO:	
SCALE: NONE		ELEC. SPECS.	
		ES-27	

ITEM	QTY
B	1
D	3
HH	3
O	1
S	6
T	2
W	3



NOTE:  
FOR MATERIALS, SEE  
DRUGS, ES-1

DATE: 7-15-71		TITLE: EPOXY INSULATOR (EXTENSION LINK)	
DRAWN BY: I. MORTILL			
DESIGN BY:			
CHECKED BY: SK		PRODUCTION DEPT. (CONOCO)	
APPROVED BY: SK		HOBBS DIVISION	
SCALE: 1/8" = 1"		JOB: ELEL. SPEL. DRAWING NO. ES-28	