

23-16-11W

COMPANY ALPINE OIL & ROYALTY CO.

SEC. 23 T. 16 R. 11W

LOC. SW SE SW

FARM Burmeister NO. 4

TOTAL DEPTH 3416'

COMM. 9-16-67

COMP. 9-23-67

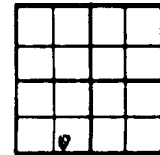
SHOT OR TREATED

CONTRACTOR Gabbert-Jones

ISSUED 11-18-67

COUNTY Barton

KANSAS



CASINO

20	10	
15	8 5/8"	226' cem w/ 165 sx
12	6	
13	5 1/2"	3401' cem w/ 150 sx

ELEVATION 1915' KB

PRODUCTION 25 BOPD/ Lans 3238-43

FIGURES INDICATE BOTTOM OF FORMATIONS

0	40	CLAY AND ROCK
40	60	POBT ROCK
60	226	SAND AND SHALE
226	280	SHALE
280	320	SAND
320	727	SHALE AND RED BED
727	1495	SHALE AND SHELLS
1495	2020	LIME
2020	2905	LIME AND SHALE
2905	2985	LIME
2985	3080	LIME AND SHALE
3080	3165	LIME
3165	3235	LIME AND SHALE
3235	3320	LIME
3320	3390	LIME AND SHALE
3390	3416	LIME
3416	TD	

RAN 12 JOINTS 8-5/8" CASINO, SET 2
226' w/165 BAGGS CEMENT.

TOPS: SMP
Anhydrite 727
Heebner 2948
Toronto 2963
Brown Lime 3048
Lansing 3067
Arbuckle 3396

RAN 108 JOINTS OF 5 1/2" CASINO, SET 3
3401' w/150 BAGGS CEMENT.

I, E. E. HALL, CERTIFY THIS IS A CORRECT COPY OF THE DRILLERS' LOG FOR THE WELL
DRILLED IN THE SW SE 34 SECTION 23-16S-11W, BARTON COUNTY, KANSAS, TO THE BEST OF MY KNOW-
LEDGE AND BELIEF.

E. E. Hall
E. E. HALL

STATE OF KANSAS)
COUNTY OF SEDGWICK) SS

BEFORE ME, THE UNDERSIGNED, A NOTARY PUBLIC WITHIN AND FOR SAID COUNTY AND STATE,
ON THIS 26TH DAY OF SEPTEMBER, 1967, PERSONALLY APPEARED E. E. HALL, TO ME PERSONALLY KNOWN
TO BE THE IDENTICAL PERSON WHO EXECUTED THE WITHIN AND FOREGOING INSTRUMENT AND ACKNOWLEDGED
TO ME THAT HE EXECUTED THE SAME AS HIS FREE AND VOLUNTARY ACT AND DEED FOR THE USES AND
PURPOSES THEREIN SET FORTH.

IN WITNESS WHEREOF, I HAVE HEREUNTO SET MY HAND AND OFFICIAL SEAL THE DAY AND
YEAR LAST ABOVE WRITTEN.

Barbara P. [Signature]