

TYPE OF REPORT - (X)	
Initial Completion	
Special	
General Survey	

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-124
Revised 1-1-65

RESERVOIR PRESSURE REPORT

Operator Husky Oil Company of Delaware		Pool Wildcat		County Eddy		Date October 13, 1976	
Address 600 S. Cherry St., Denver, CO		Producing Formation 80222		Water Gradient psi/ft.		Datum Plane -617	
Oil Gradient .337		Oil Gradient psi/ft.		Gas Gravity .9137			

Forehand (See attached BHP Report from Jarrel Company)	2	K	1523	27	3137	0	9/9 - 12/76	72	812	3744	95	1730	1730
RECEIVED OCT 15 1976 O.C.C. ARTESIA, OFFICE													

All depths plus or minus sea level; all pressures psi; Bomb shall be calibrated frequently enough against a dead weight tester to ensure an accuracy of one per cent; gas gravity shall be determined by analysis; liquid level shall be feet above datum plane. SEE RULE 302.

* Well shall be produced at least 24 hours prior to shutting in for sonic test.

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

Adrian Engineer (Signature)
Adrian Engineer (Title)

Oct 13, 1976 (Date)

The Jarrel Company

POST OFFICE BOX 1654 -:- PHONES (505) 393-3813 . 393-5396

HOBBS, NEW MEXICO 88240

COMPANY: Husky Oil Company

WELL: Fourhand, No.2

FIELD Cass Delaware

CHRONOLOGICAL PRESSURE DATA

DATE	STATUS OF WELL	TIME	ELAPSED TIME		SURFACE PRESSURE		BHP @ (-617)
			HRS.	MIN.	TBG	CSG	3744' PSIG
976	Swabbed & Open. Ran	2:00 PM	-	-	0	-	196
9-9	Tandem Bombs & Open	2:15	0	15	-	-	211
	Gradient. On Bottom	2:30	0	30	-	-	226
	& Well Shut In.	3:00	1	00	-	-	254
	SHUT IN	4:00	2	00	-	-	310
	"	5:00	3	00	-	-	368
	"	6:00	4	00	-	-	420
	"	7:00	5	00	-	-	466
	"	8:00	6	00	-	-	534
	"	9:00	7	00	-	-	574
	"	10:00	8	00	-	-	608
	"	11:00	9	00	-	-	648
	"	12:00 MN	10	00	-	-	694
9-10	"	1:00 AM	11	00	-	-	731
	"	2:00	12	00	-	-	756
	"	3:00	13	00	-	-	786
	"	4:00	14	00	-	-	826
	"	5:00	15	00	-	-	876
	"	6:00	16	00	-	-	916
	"	7:00	17	00	-	-	943
	"	8:00	18	00	-	-	980
	"	9:00	19	00	-	-	1013
	"	10:00	20	00	-	-	1036
	"	11:00	21	00	-	-	1063
	"	12:00 N	22	00	-	-	1097
	"	1:00 PM	23	00	-	-	1121
	"	2:00	24	00	-	-	1149
	"	3:00	25	00	-	-	1179
	"	4:00	26	00	-	-	1210
	"	5:00	27	00	-	-	1225
	"	6:00	28	00	-	-	1250
	"	7:00	29	00	-	-	1277
	"	8:00	30	00	-	-	1305
	"	9:00	31	00	-	-	1326
	"	10:00	32	00	-	-	1360
	"	11:00	33	00	-	-	1375
	"	12:00 MN	34	00	-	-	1394

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WELL: Fourhand, No.2

PAGE: 2

DATE	STATUS OF WELL	TIME	ELASPED TIME		SURFACE PRESSURE		BHP @ (-617) 3744' PSIG
			HRS.	MIN	TBG	CSG	
9-11	"	1:00 AM	35	00	-	-	1409
	"	2:00	36	00	-	-	1433
	"	3:00	37	00	-	-	1446
	"	4:00	38	00	-	-	1464
	"	5:00	39	00	-	-	1491
	"	6:00	40	00	-	-	1513
	"	7:00	41	00	-	-	1531
	"	8:00	42	00	-	-	1546
	"	9:00	43	00	-	-	1559
	"	10:00	44	00	-	-	1577
	"	11:00	45	00	-	-	1592
	"	12:00 N	46	00	-	-	1602
	"	1:00 PM	47	00	-	-	1614
	"	2:00	48	00	-	-	1623
	"	3:00	49	00	-	-	1635
	"	4:00	50	00	-	-	1641
	"	5:00	51	00	-	-	1650
	"	6:00	52	00	-	-	1657
	"	7:00	53	00	-	-	1663
	"	8:00	54	00	-	-	1669
	"	9:00	55	00	-	-	1672
	"	10:00	56	00	-	-	1678
	"	11:00	57	00	-	-	1684
	"	12:00 MN	58	00	-	-	1687
9-12	"	1:00 AM	59	00	-	-	1690
	"	2:00	60	00	-	-	1693
	"	3:00	61	00	-	-	1696
	"	4:00	62	00	-	-	1699
	"	5:00	63	00	-	-	1702
	"	6:00	64	00	-	-	1705
	"	7:00	65	00	-	-	1709
	"	8:00	66	00	-	-	1712
	"	9:00	67	00	-	-	1715
	"	10:00	68	00	-	-	1718
	"	11:00	69	00	-	-	1721
	"	12:00 N	70	00	-	-	1724
	"	1:00 PM	71	00	-	-	1727
	Fished Bomb & Run Static Gradient.	2:00	72	00	812	-	1730

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HOBBS, NEW MEXICO 88240

Well Testing Division

Instrument Service

BOTTOM HOLE PRESSURE RECORD

OPERATOR Husky Oil Company
FIELD Cass FORMATION Delaware
LEASE Fourhand WELL No. 2
COUNTY Eddy STATE New Mexico
DATE September 9, 1976 TIME 1:00 PM
Status Open & Swabbed Test depth 3592'
Time S. I. Last test date
Tub Pres. 0 BHP last test
Cas. Pres. - BHP change
Elev. 3127 GL Fluid top 3163'
Datum (-617) ** Water top
Temp. @ 95°F Run by Jarrel Services
Cal. No. A36826N Chart No. 1

Depth	Pressure	Gradient
0	0	-
2000	0	-
3000	0	-
3592	145	.245
3744 (-617)	196 * **	(.337)

* EXTRAPOLATED PRESSURE

** MIDPOINT OF CASING PERFORATIONS

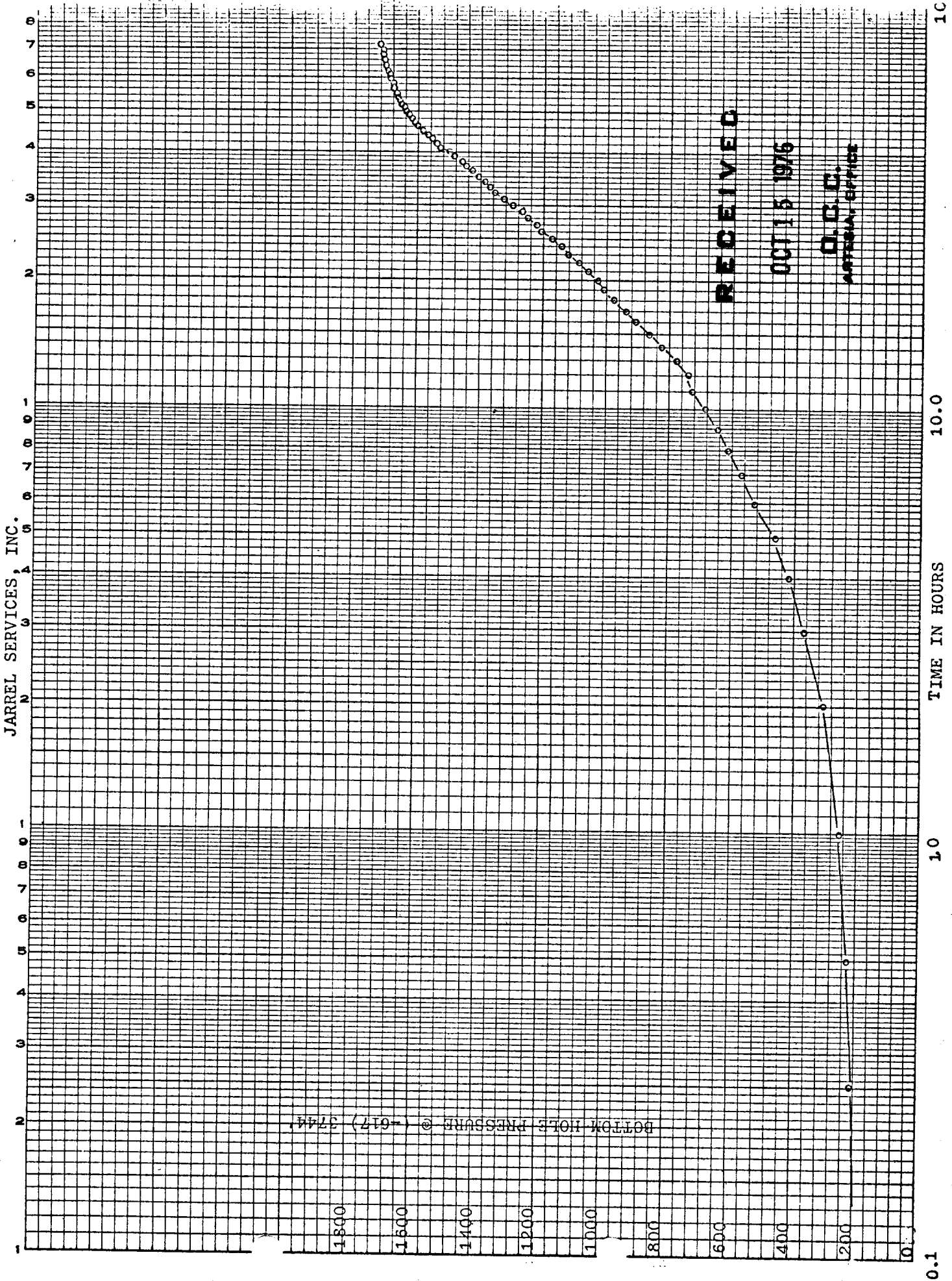
Pressure

100 200

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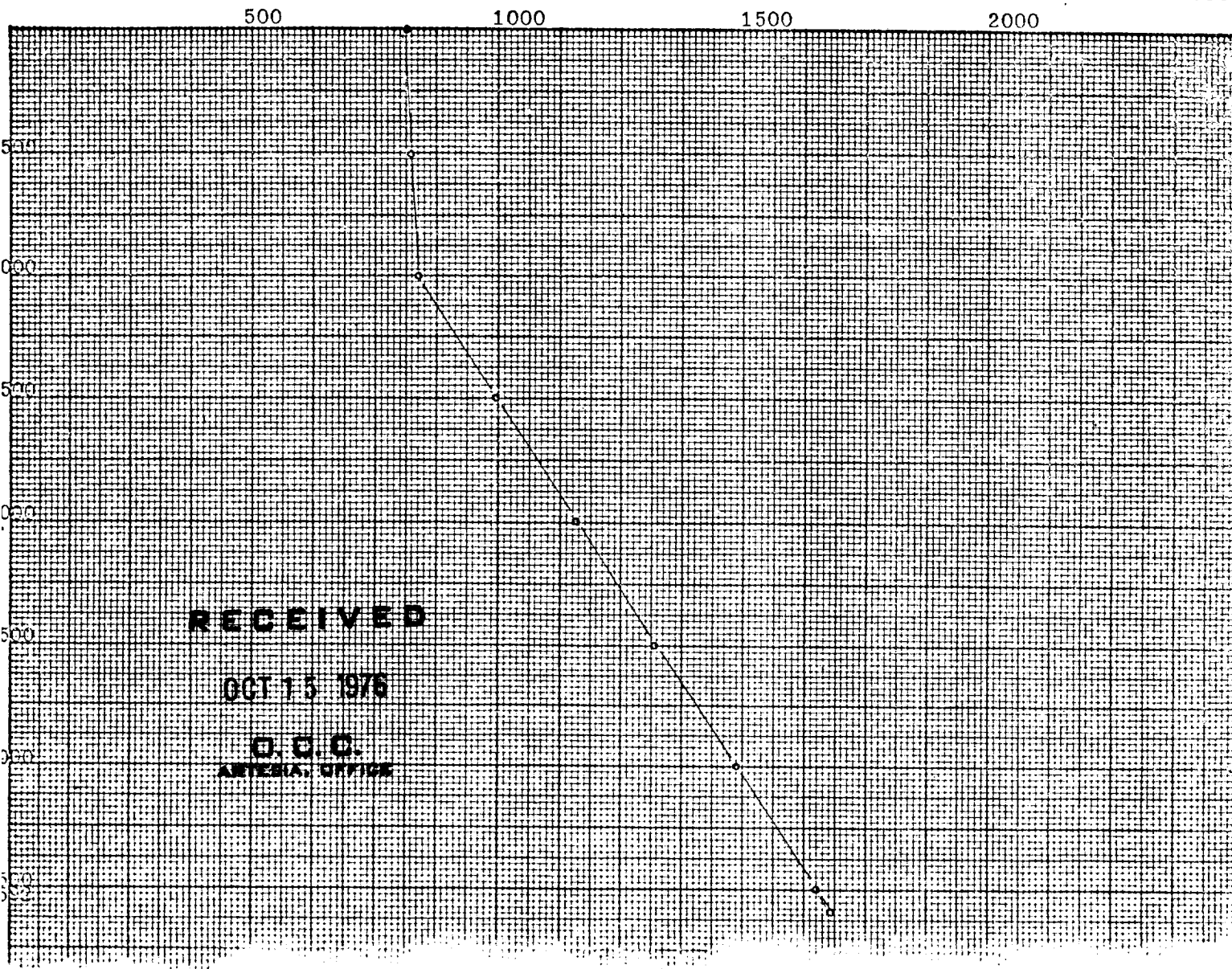
BOTTOM HOLE PRESSURE RECORD

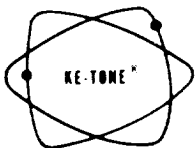
OPERATOR Husky Oil Company
FIELD Cass FORMATION Delaware
LEASE Fourhand WELL No. 2
COUNTY Eddy STATE New Mexico
DATE September 12, 1976 TIME 2:00 PM
Status Shut In Test depth 3592'
Time S. I. 72 Hours Last test date --
Tub Pres. 812 BHP last test --
Cas. Pres. - BHP change --
Elev. 3127 GL Fluid top 1000'
Datum (-617) ** Water top None
Temp. @ 95°F Run by Jarrel Services
Cal. No. A36826N Chart No. 2

Depth	Pressure	Gradient
0	812	--
500	822	.020
1000	834	.024
1500	996	.324
2000	1159	.326
2500	1322	.326
3000	1485	.326
3500	1648	.326
3592	1679	.337
3744 (-617)	1730 * **	(.337)

* EXTRAPOLATED PRESSURE

Pressure ** MIDPOINT OF CASING PERFORATIONS





UNITED CHEMICAL CORPORATION

OF NEW MEXICO

P. O. BOX 1499

PHONE (505) 393-7751

HOBBS, NEW MEXICO 88240

No. 5386

Run No. _____

Date of Run 9-22-76

Date Secured 9-21-76

CERTIFICATE OF ANALYSIS

A Sample of Husky Oil Company - Fourhand #2
Secured from Jarrel Services
At Box 1654 Secured by _____
Hobbs, New Mexico 88240 Time _____ Date _____
Sampling conditions _____ Press _____
Temp. _____

Cass Delaware

FRACTIONAL ANALYSIS

Percentage Composition

	MOL %	LIQ. %	G.P.M.
Carbon Dioxide	.094		
Air			
Nitrogen	4.795		
Oxygen			
Hydrogen sulfide			
Hydrogen			
Methane	56.110		
Ethane	17.973		4.793
Propane	13.578		3.739
Butanes			
Iso-Butane	2.389		.780
N-Butane	2.959		.930
Pentanes			
Iso-Pentane	1.066		.389
N-Pentane	.677		.245
Hexanes	.224		.092
Heptanes	.135		.057
TOTAL	100.000		11.025

Calc. Sp. Gr. 0.9137
Calc. A.P.I. _____
Calc. Vapor Press. _____ PSIA
Sp. Gr. _____
Mol. Wt. 26.48

LIQUID CONTENT (GAL./MCF)

Propane Calc. G.P.M. 3.739
Butanes Calc. G.P.M. 1.710
Pentanes Plus. G.P.M. .783
Ethane Calc. G.P.M. 4.793
RVP Gasoline G.P.M. _____

B.T.U./Cu. Ft. @ 14.696 P.S.I.A.
Dry Basis 1488
Wet Basis 1462

Sulfur Analysis by Titration
Gr./100 Cu. Ft. _____
Hydrogen Sulfide _____
Mercaptans _____
Sulfides _____
Residual Sulfur _____
Total Sulfur _____

Run by Deane Simpson Checked by _____ Approved by [Signature]

Additional Data and Remarks

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**A. C. C.
ARTESIA OFFICE**